

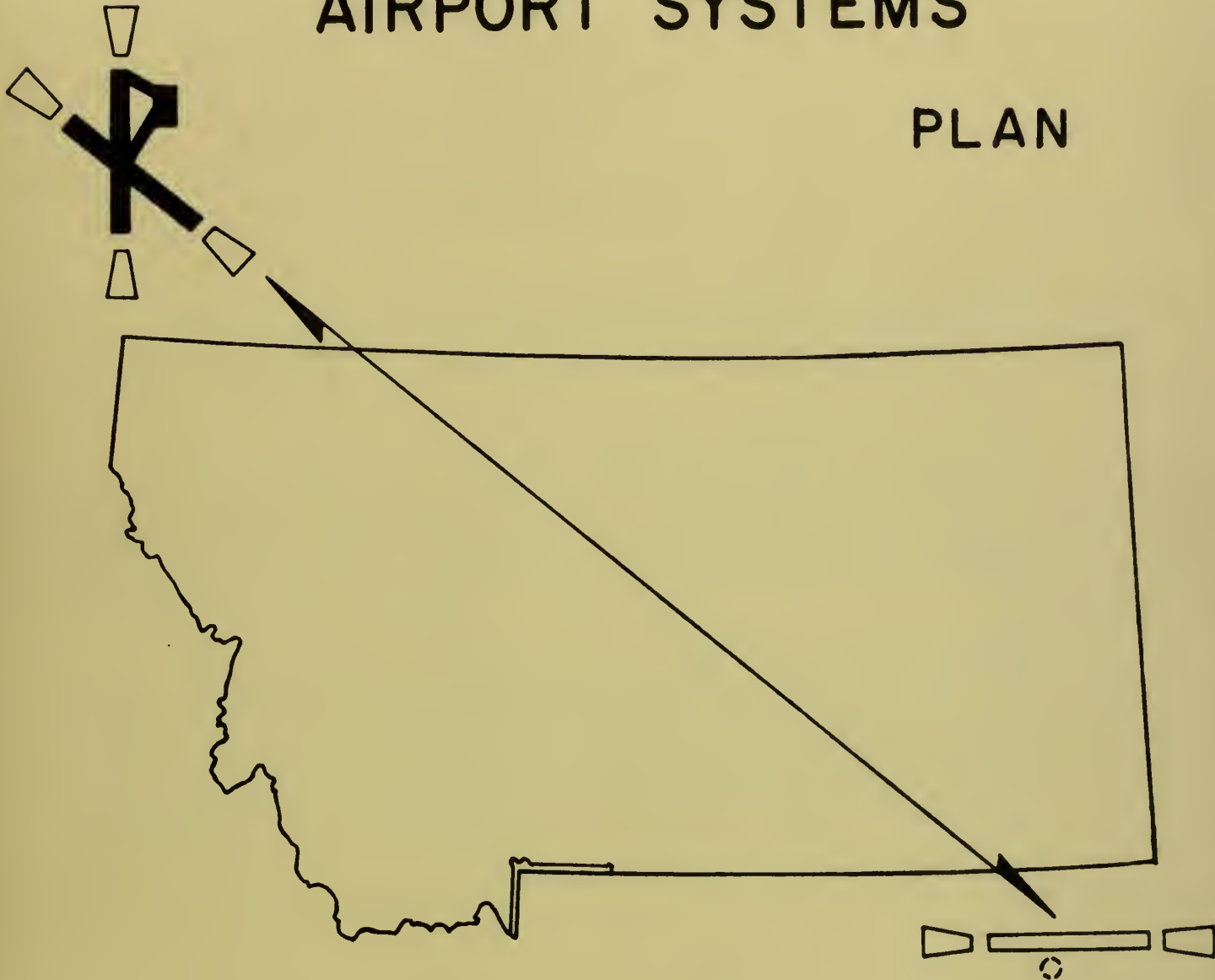
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INTERIM

STATE

AIRPORT SYSTEMS

PLAN

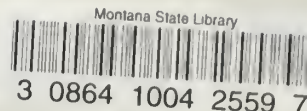


PREPARED NOVEMBER 1968

BY THE

MONTANA AERONAUTICS COMMISSION

STATE OF MONTANA



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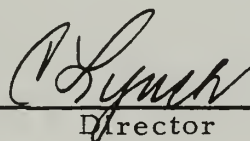
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INTRODUCTION

The need for the preparation of State Airport Systems Plans has been recognized for some time by both the Federal Aviation Administration (FAA) and the National Association of State Aviation Officials (NASAO).

Particular problems facing Montana have been the transition by the major Trunk Carriers toward all jet-powered equipment, the growing equipment position by the Regional Carriers toward turbo prop and jet powered equipment and the entry into the scheduled air transportation field by the third level of scheduled air transportation, namely the Local Airlines.

This transition, coupled with the continuing healthy growth of general aviation aircraft toward the use of more "medium" twins and business jets, coupled with a growing higher percentage of interstate traffic from outside Montana, creates the absolute necessity of viewing the airport facilities problem from the "systems" point of view rather than treating each individual community's airport as an "island" unto itself.


Director

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FORWARD

BACKGROUND

In dealing with airports as such for the State of Montana, all too often the intermediate range planning has been for the development of an airport facility tailored to only the immediate needs of the area relative to the class of equipment then operated by the scheduled air carrier, and the class of equipment then utilizing the airport in the general aviation segment of the industry.

In the past a community's entry into the National Airport Plan has too frequently been determined merely by the community and project eligibility under the Federal Aid to Airport Program as established by the Federal Aviation Administration, without too much regard to the intermediate and long-range potential developments for the area when considering the long-range potential socio-economic factors.

OBJECTIVES

The primary objectives of the State Airport Systems Plan are:

1. To provide a plan for the orderly and timely development of a system of airports adequate to meet the aeronautical needs and air transportation needs of the state.
2. To provide a framework for airport development programs consistent with the short, intermediate and long-range needs.
3. To prepare a plan in content, standards, criteria and format such that it can be integrated into the National Airport Plan.
4. To provide a basis for coordination of airport plans with the planning by state, metropolitan and urban agencies in the areas of transportation, land use, economic development and resource utilization; and for the coordination with airport systems plans in adjoining states.

5. To inform local, state and national political individual interests of aviation facilities requirements.
6. To provide a document for use at local level in (a) preliminary planning, (b) master planning, (c) detail planning, (d) estimating cost of development.
7. To identify the general location of all airports by type and size that will be required to make air transportation reasonably accessible to every community in the state.
8. To make possible long-range coordination of airport development, air navigation facilities, airspace use, and air traffic control procedures.

AUTHORITY

RCM 1-103. Declaration of policy. It is hereby declared that the purpose of this act is to further the public interest and aeronautical progress by providing for the protection and promotion of safety in aeronautics; by cooperating in effecting a uniformity of the laws relating to the development and regulation of aeronautics in the several states; by revising existing statutes relative to the development and regulation of aeronautics so as to grant to a state agency such powers and impose upon it such duties that the state may properly perform its function relative to aeronautics and effectively exercise its jurisdiction over persons and property within such jurisdiction, may assist in the promotion of a statewide system of airports, may cooperate with and assist the political subdivisions of this state and others engaged in aeronautics, and may encourage and develop aeronautics; by establishing uniform regulations, consistent with federal regulations and those of other states in order that those engaged in aeronautics of every character may so engage with the least possible restriction, consistent with the safety and the rights of others; and by providing for cooperation with the federal authorities in the development of a national system of civil aviation and for co-ordination of the aeronautical activities of those authorities and the authorities of this state by assisting in accomplishing the purposes of federal legislation and eliminating costly and unnecessary duplication of functions.

James C. Buckley, Inc. At the request of a large number of cities in the State of Montana served by regular scheduled air transportation, the Montana Aeronautics Commission secured approval from the State Board of Examiners on February 18, 1966 to enter into a contract with James C. Buckley, Inc., of New York City to accomplish a preliminary study for the purpose of establishing the scope of a total scheduled air transportation survey and the extent of technical information needed and available, and the projected costs for such a study. The preliminary report "The Need for a Comprehensive Investigation of the Aviation Requirements of the State of Montana" was prepared and delivered to the Commission October 25, 1966.

T.A.P., Inc. On September 18, 1967, as a second step in the comprehensive study of scheduled air transportation in the State of Montana, the Montana State Board of Examiners extended approval to the Aeronautics Commission to enter into a contract for such a study with T.A.P., Inc., Bozeman, Montana, for the purpose of establishing the overall scope of a survey of airports and scheduled air transportation needs through the scheduled trunk lines, regional airlines, and the local airlines or "commuter airlines" for the State of Montana.

A phase of this study incorporates "Airport Activity and Related Physical Facilities" and sets forth the responsibility of secondary sources such as staff members of the Montana Aeronautics Commission and the staff of local airport boards.

PURPOSE

It is the intent of the Montana Aeronautics Commission to develop a comprehensive State Airport Plan for the airport SYSTEM during the calendar years of 1969 and 1970.

However, there is an urgent need at this time for a preliminary basis from which to develop the comprehensive plan. Consequently, the INTERIM State Airport System Plan is pre-

pared at this time (November, 1968) for the following reasons:

- (1) To bring the need of a state airport system plan to the attention of the members of the 41st Legislative Session.
- (2) To assist the Federal Aviation Administration with the information necessary for the preparation of the National Airport Plan.

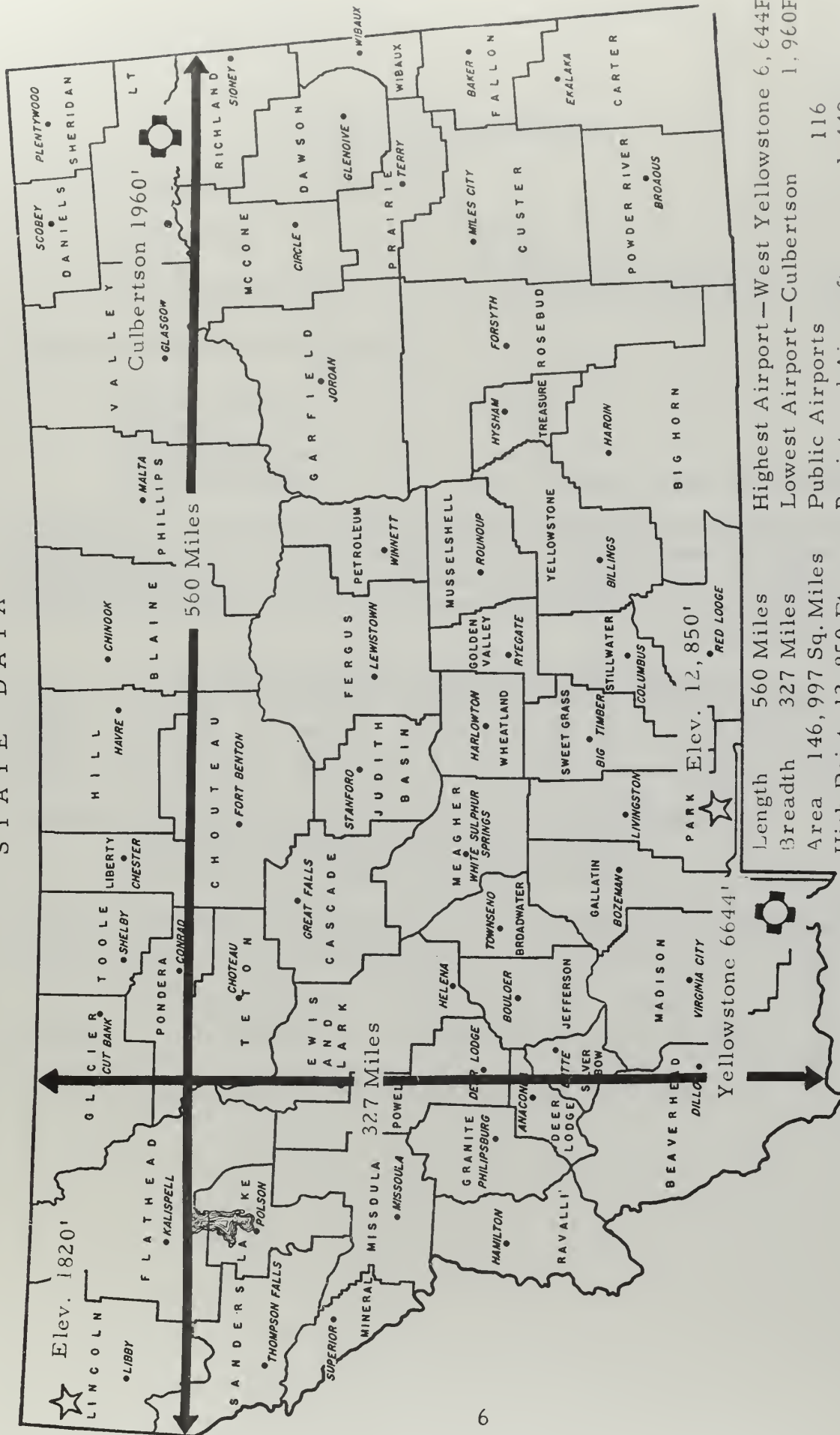
TIME PERIOD

The SHORT RANGE term of the plan will be for a period of two to five years based primarily on immediate needs and indicates contemplated immediate development needs for the next two bienniums (1970 - 1971), (1972 - 1973).

The INTERMEDIATE RANGE for the plan will be a period of ten years. However, in the Preliminary Interim Plan the intermediate range shall apply to all programmed and planned projects not currently carried in the short range term.

The LONG RANGE time period for the plan shall be twenty years and will be developed in accordance with the future air transportation projections at the time that the comprehensive State Airport Systems Plan is developed in 1969 and 1970.

STATE DATA



STATE DATA SCHEDULE

STATE OF MONTANA STATISTICS

Population	717,000
Area	146,997 square miles
Population Density	4.94 persons per square miles

PUBLIC AIRPORT STATISTICS

Public Airports	116
Heliports	6
Seaplane Bases	0
Airport Density	7,903 square miles per airport

Facilities	Lighted	Unlighted	Total
Paved Airports	45	11	56
Unpaved Airports	14	46	60
			116

Airports by Runway Length (Longest Runway)

Under 3000 29	3000 3999 54	4000 4999 16	5000 5999 8	6000 6999 2	7000 7999 2	8000 8999 4	9000 9999 1
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Total Origin and Destination Passengers in State for year 1966

CAB O&D reported passengers 438,850

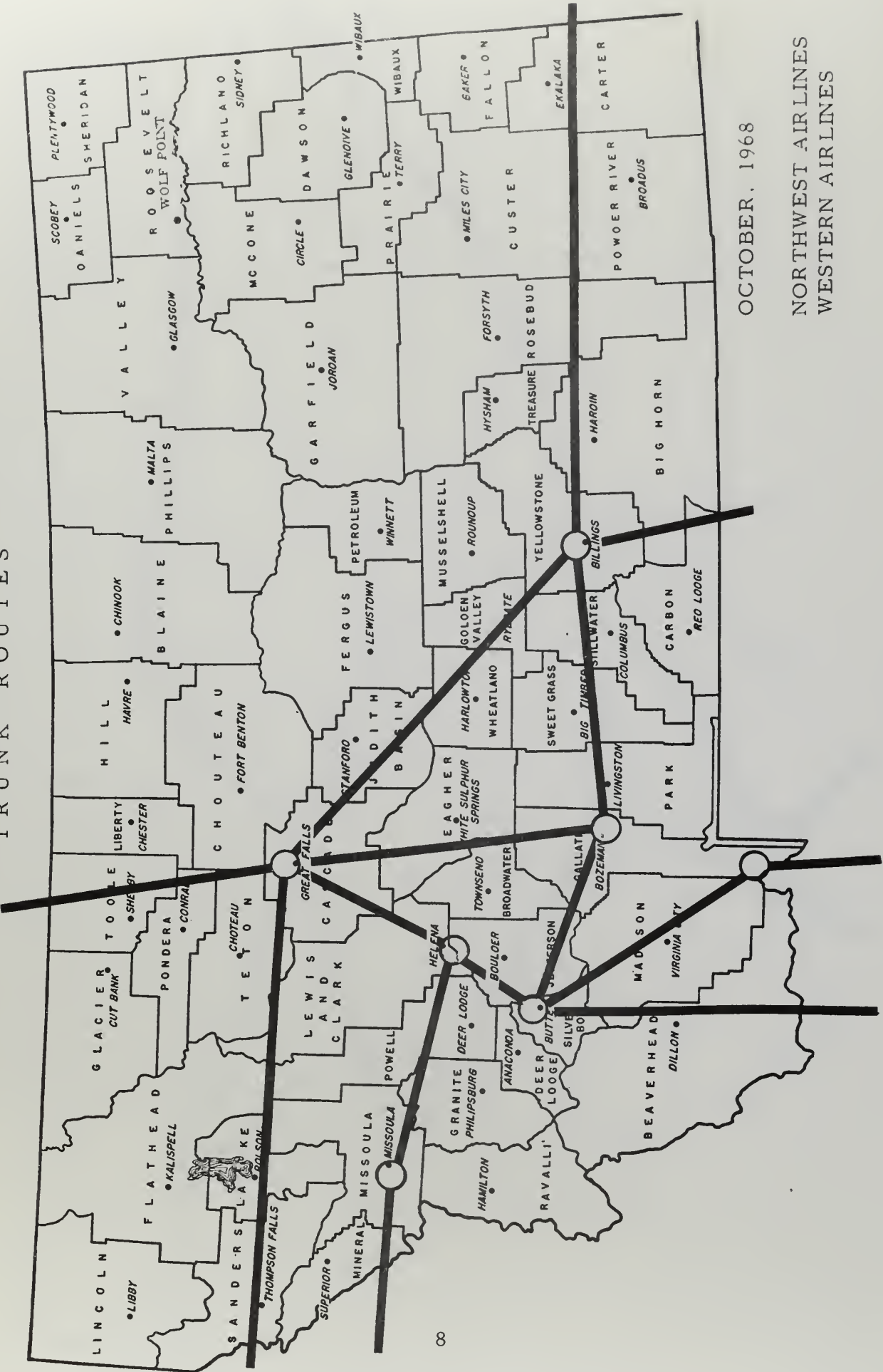
Ratio of 61.2 passengers per 100 population

The Federal Aid to Airport Program of the Federal Aviation Administration has provided funds to the following extent during the period 1947 to December 31, 1966:

	Federal Funds:	Sponsors Funds:	Total:	Airports:	Projects:
Montana	\$7,617,000	\$6,810,000	\$14,427,000	51	168

on only those projects for which federal funds were requested.

TRUNK ROUTES



OCTOBER, 1968

NORTHWEST AIRLINES
WESTERN AIRLINES

A map of Montana showing county boundaries and major cities. A network of thick black lines represents Frontier Airlines routes. The routes connect major hubs: Great Falls, Helena, Bozeman, and Billings. From Great Falls, routes go to Lincoln, Havre, and Helena. From Helena, routes go to Bozeman and Billings. From Bozeman, routes go to Billings and Livingston. From Billings, routes go to Glasgow, Miles City, and Big Horn. The map includes county names and city names throughout the state.

OCTOBER, 1968

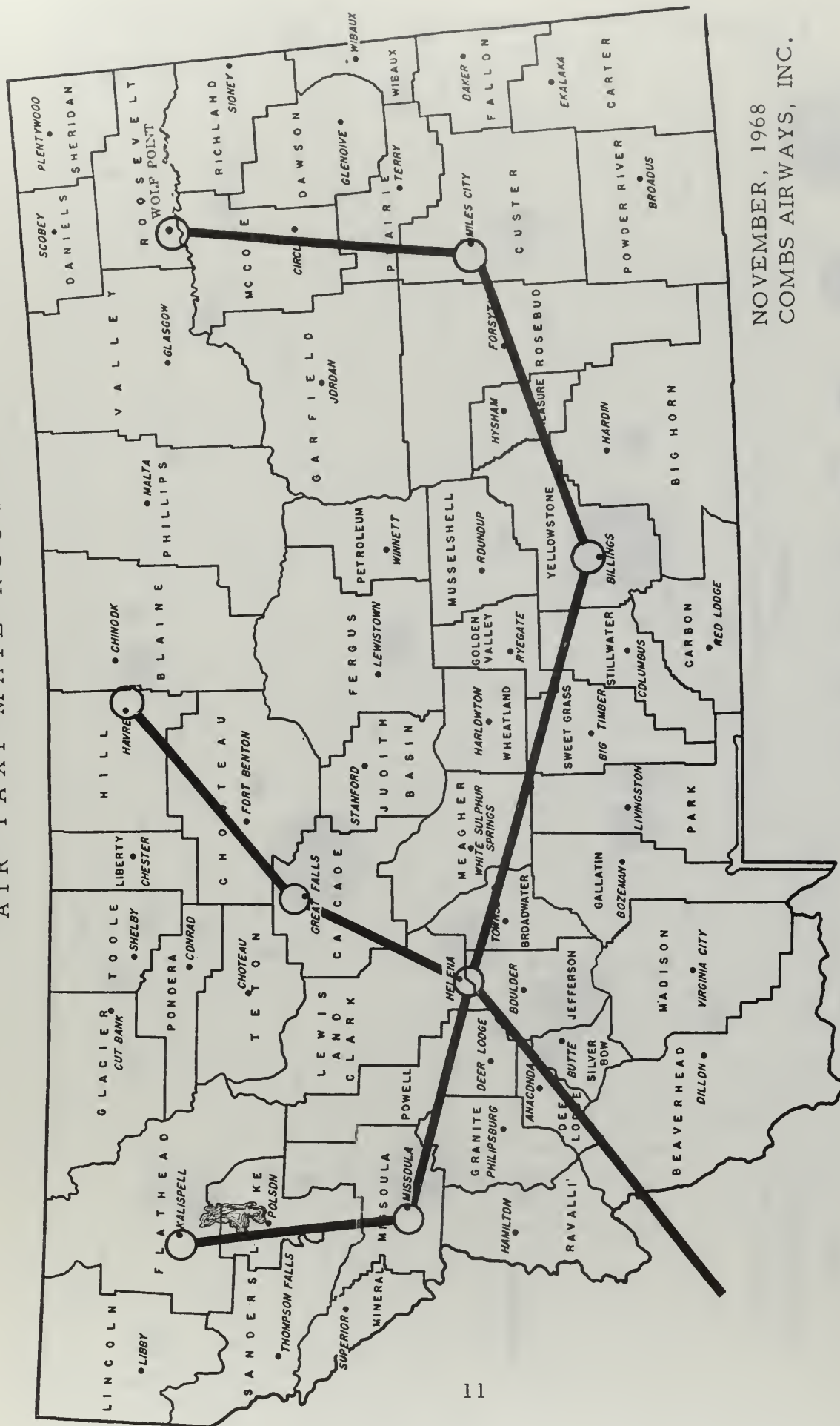
FRONTIER AIR LINES
AIR WEST

FRONTIER AIR LINES
AIR WEST

OCTOBER, 1968
COMBS AIRWAYS, INC.
COMMUTE AIR, INC.

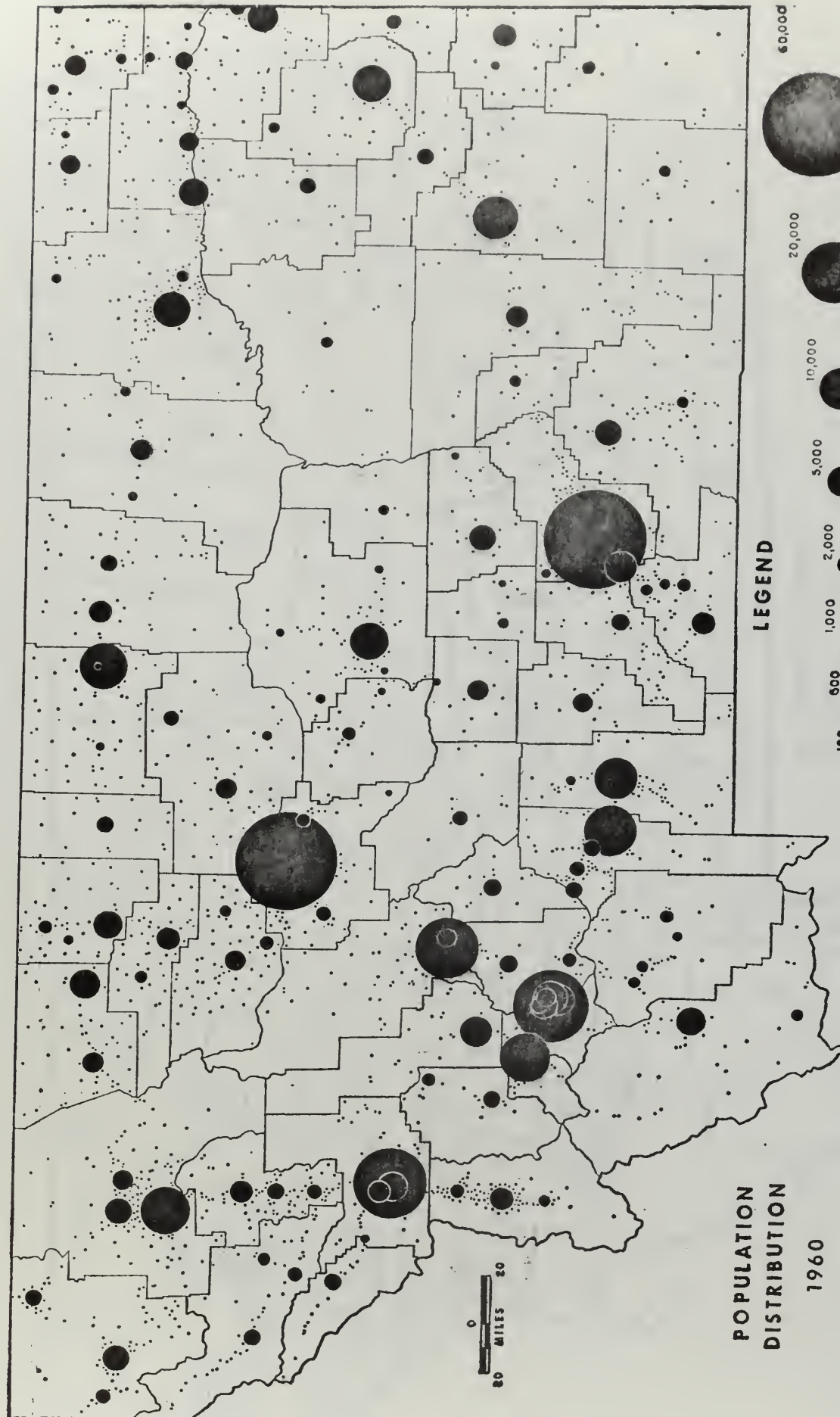
OCTOBER, 1968
COMBS AIRWAYS, INC.
COMMUTE AIR, INC.

AIR TAXI MAIL ROUTES



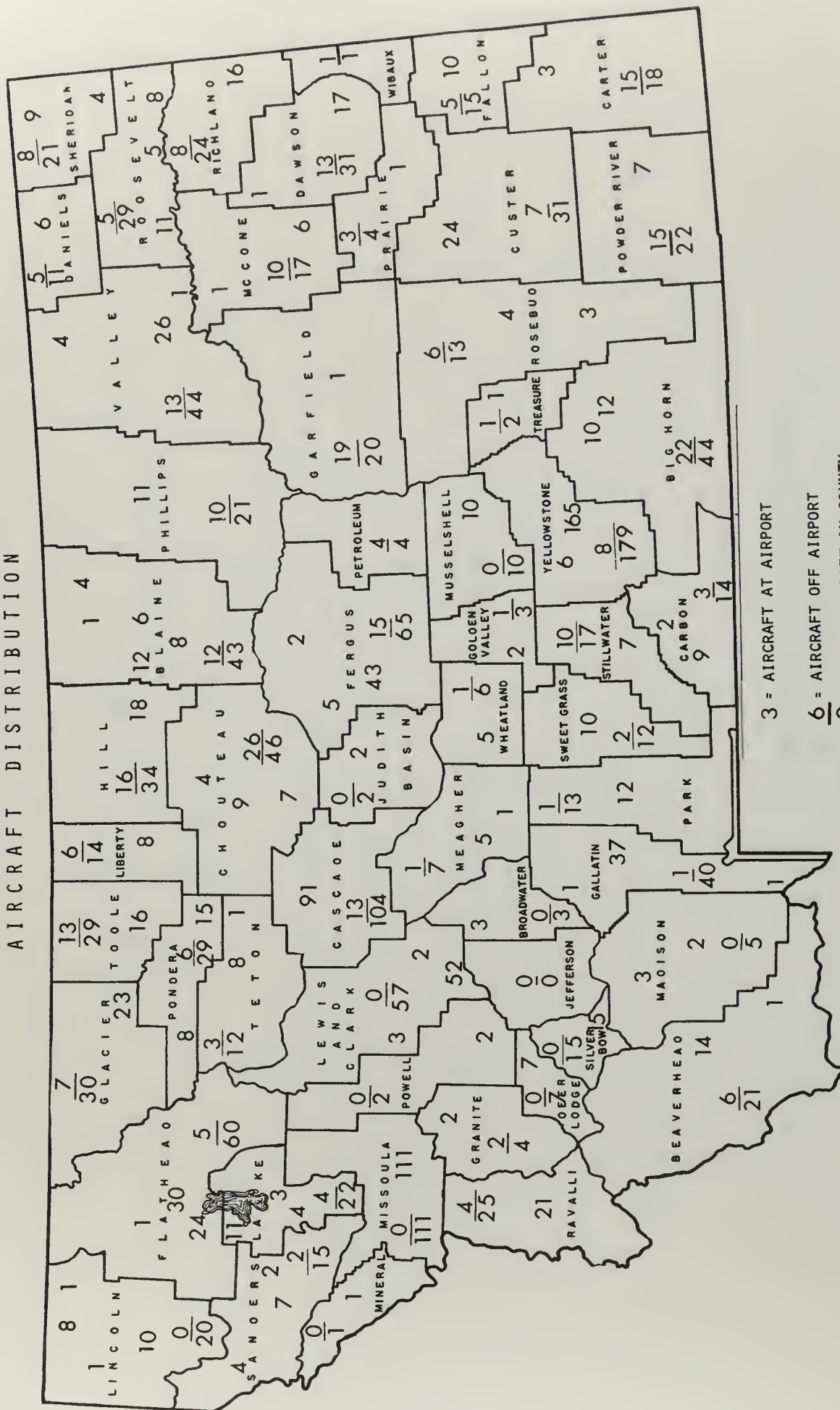
NOVEMBER, 1968
COMBS AIRWAYS, INC.

POPULATION DISTRIBUTION



POPULATION
DISTRIBUTION
1960

AIRCRAFT DISTRIBUTION



3 = AIRCRAFT AT AIRPORT

6 = AIRCRAFT OFF AIRPORT

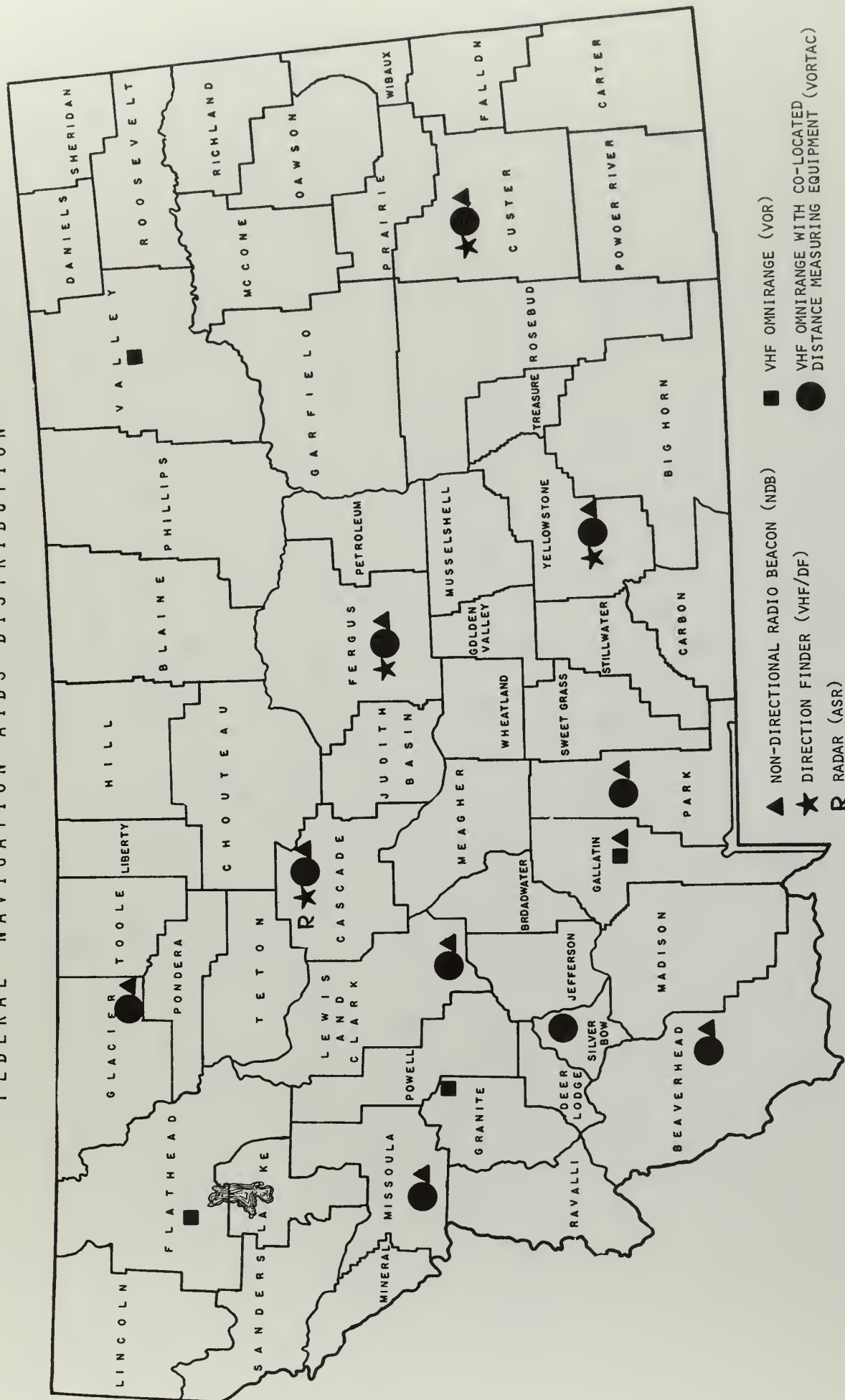
9 = TOTAL AIRCRAFT IN COUNTY

Map of Montana showing county boundaries and names. The map includes a legend for Non-Directional Radio Beacon (NDB) and VHF OmniRange (VOR) stations. NDB stations are marked with diamonds and VOR stations with hexagons. The map shows 52 counties: Daniels, Sheridan, Roosevelt, Blaine, Phillips, Garfield, Petroleum, Fergus, Musselshell, Golden Valley, Yellowstone, Treasure, Rosebud, Custer, Powder River, Carter, Fallon, Wibaux, Prairie, McCone, Richland, Oaeson, Valley, Lincoln, Flathead, Sanders Lake, Mineral, Missoula, Powell, Granite, Deer Lodge, Ravalli, Jefferson, Gallatin, Broadwater, Meagher, Wheatland, Sweet Grass, Stillwater, Carbon, Big Horn, Park, Madison, Beaverhead, and Teton. The map also shows the locations of NDB and VOR stations.

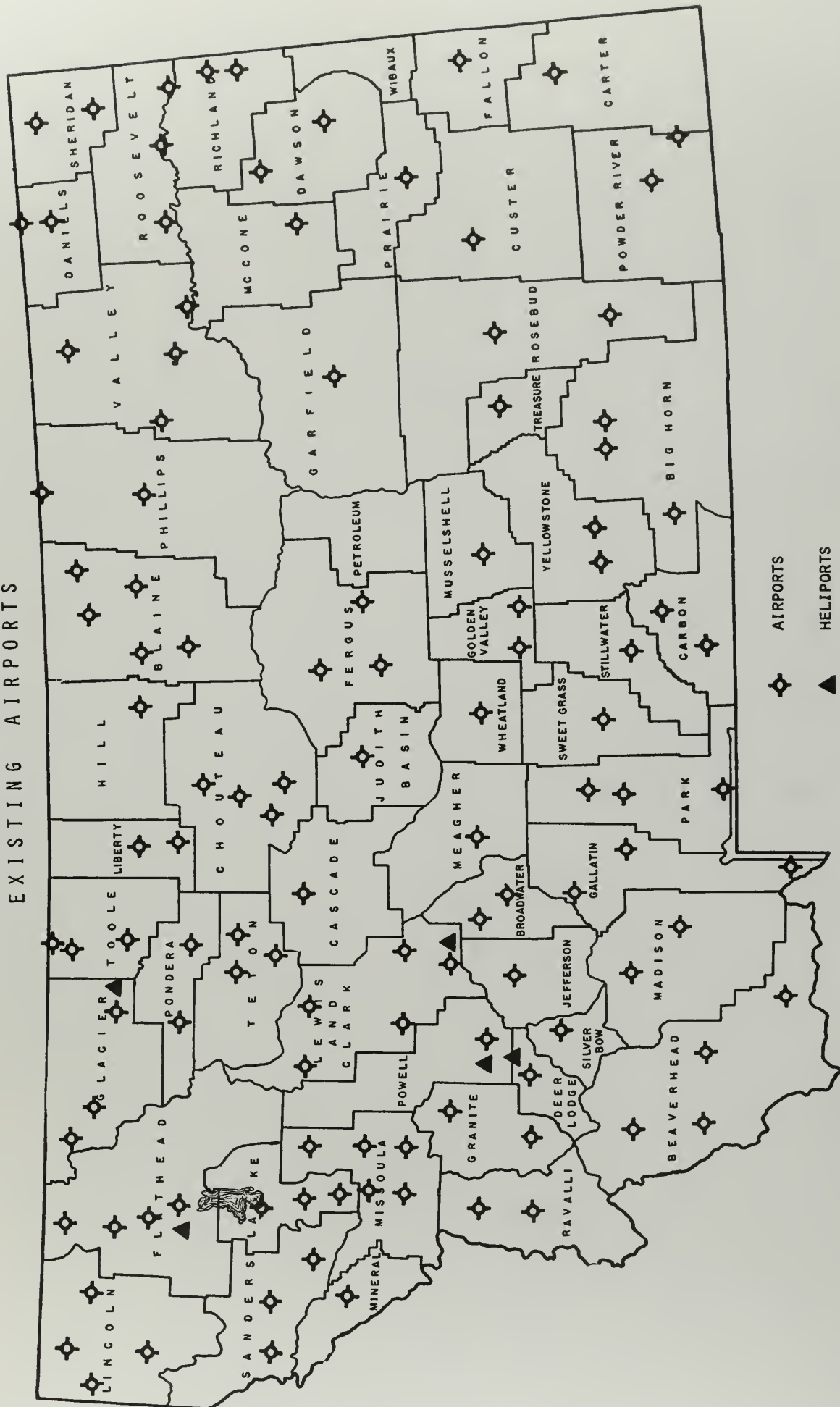
Legend:

- ◆ NON-DIRECTIONAL RADIO BEACON (NDB)
- ⬡ VHF OMNIRANGE (VOR)

FEDERAL NAVIGATION AIDS DISTRIBUTION



EXISTING AIRPORTS



EXISTING AIRPORT DATA

The following pages provide an inventory of the Public Use Airports by County, showing in chart form the basic physical facilities and services available. The glossary will explain by column the terms and abbreviations used in this section.

Column No.	<u>Explanation of Terms</u>
1 <u>Place Name</u> <u>Airport Name</u> <u>Ownership</u>	Name of City/Town/Location Name of the airport City, County, City-County, or Private
2 <u>Class</u>	The airport configuration based on the intended use by runway dimensions and obstruction clearance criteria.
a. <u>LFL</u>	<u>Landing Facility Less</u> than minimum standards accepted by Montana Aeronautics Commission and/or Federal Aviation Administration.
b. <u>LFG</u>	<u>Landing Facility General</u> Aviation Utility Airport; Montana Aeronautics Commission design standard, runway length equal to Federal Aviation Administration's "Secondary" airport, but with lesser requirements for transitional surfaces, building lines, and property widths.
c. <u>LFS</u>	<u>Landing Facility Secondary</u> ; Federal Aviation Administration design standard used prior to establishing the "Utility" type airport. The runway length was determined by the "critical" aircraft (low powered, long take off run required) likely to be using the airport. This class of airport encompasses all general aviation airports constructed with Federal Aid prior to 1966.
d. <u>B</u>	<u>Basic</u> Utility airport (current FAA standard), planned to accommodate 95 percent of the general aviation fleet, except for transport types and some twin-engine aircraft of over 8,000 pounds gross weight. For purposes of stage development, the "B" airport is further subdivided into Stages I and II.

Stage I will accommodate most single-engine and some twin-engine aircraft. The design runway length is 2200 feet corrected for elevation and temperature. This provides a 3400 to 4500 foot runway at Montana's elevation and summer temperatures. Stage I accommodates 75 percent of the general aviation fleet.

Stage II provides the final stage of the "B" airport: 2700 feet of runway at sea level or 3800 - 6000 feet in Montana.

- e. G General Utility airport accommodates all of the current general aviation fleet except certain jet and transport-type aircraft: 3800 feet of runway at sea level or 4300 - 6100 feet in Montana.
- f. LG Larger than General Utility airports serve general aviation's larger transport and jet aircraft. The runway length may be as long as required for air carrier operations, however, the runway width, runway strength, and building restrictions line requirements are less.
- g. AC Scheduled Air Carrier airports are used by Civil Aeronautics Board and state certificated air carriers which use transport category aircraft.
- h. H Heliports are airports constructed for use by helicopters only.
- 3. Elev Elevation is the highest point on the runway.
- 4. Surf Surface of the runway.
 - a. Asph Asphalt surface - dense mix such as a hot mix.
 - b. RdMx Road Mix, a mixed-in-place bituminous surface.
 - c. DBS Double Bituminous Surface, two layers of chips, one 3/4 inch and one 3/8 inch bound by bituminous material, placed on an aggregate base.

- d. SBS Single Bituminous Surface, 3/8 inch chips bound by bituminous material, placed on an aggregate base.
- e. STAB Stabilized Turf surface, the existing soil on the runway has been stabilized by adding gravel.
- f. Turf Turf surface, existing soil prepared and seeded with spreading, strong rooted grasses.
- g. Sod Sod surface, the existing surface with a very minimum of grading with native grasses.
5. Lgth Length of the runway(s).
6. Strength Strength of the runway; ability to support the gross weight of an aircraft as follows:
- a. S ____ M Single Wheel type main landing gear ____ gross weight "M" (1000's of pounds).
- b. D ____ M Dual wheel type main gear ____ gross weight "M" (1000's of pounds).
- c. DT ____ M Dual Tandem type main gear ____ gross weight "M" (1000's of pounds).
7. Ltng Lighting, the type of lights installed on the airport as follows:
- a. B Rotating Beacon
- b. L Field Lighting
- (1) 2 Airport boundary lights
- (2) 4 Low intensity Runway lights
- (3) 5 High intensity Runway lights
- (4) 8a Instrument Approach (U. S. Standard)
- (5) 9 Instrument Approach, Sequence flashing lights

- (6) 10 Visual Approach Slope Indicator (VASI)
- (7) 11 Runway End Identifier Lights (REIL)
- (8) 12 Short Approach Light System (SALS)
8. Com Communications, all radio communication available at the airport:
- a. Unicom (1) U1 122.8 MHz
- (2) U2 123.0 MHz
- (3) U3 123.05 MHz
- b. FSS Flight Service Station
- c. TWR Control Tower
- d. AR Area Radio (remoted to a FSS not located on the airport, with voice communication through the associated navigation aid.)
- e. LRCO Limited Remote Communications Outlet (Remoted to a FSS not located on the airport, not associated with a navigation aid.)
- f. CST Combined Station/(control) Tower, the FSS and TWR are one combined facility.
- g. APC Approach Control, controls inbound Instrument traffic.
- Navaid Data Radio Navigations Aids
9. Facilities The Radio Navigation Aid serving the airport, IFR (with an approved instrument approach) and VFR (for visual flight rules only). This column assumes all facilities as IFR unless specifically stated as VFR.
- a. NDB Non Directional Radio Beacon, a low or medium-frequency radio homing beacon transmitting non-directional signals keyed to provide an identification code.

- b. VOR VHF (Very High Frequency) Omnidirectional Range, a modern, very accurate radio navigation aid operating in the 108-118 MHz frequency range.

- c. VORTAC A VOR with colocated Tactical Air Navigation distance measuring equipment, providing heading information (VOR) plus distance from the station information (tac).

- d. B VORTAC The "B" indicates the facility has scheduled weather
 or
 B VOR broadcasts at 15 and 45 minutes after the hour.

- e. (H) BVOR The "(H)" indicates the facility is usable at all altitudes; "(L)" indicates the facility usable only up to 18,000 feet; "(T)" indicates the facility serves only a terminal area hence only up to 12,000 feet.

- f. H-SAB Non-directional radio beacon providing automatic transcribed weather service.

- g. MHW Non-directional radio beacon without voice facilities on the range frequency.

- h. ILS Instrument Landing System consists of a compass locator, outer marker, middle marker, localizer and glide slope.

- i. ASR Airport Surveillance Radar, a ground radar facility available to control aircraft, normally limited to a 50 mile radius around an airport.

- j. RVR Runway Visual Range, an electronic facility used to determine the visibility (sight distance) along the approach to a runway.

- k. VHF/DF Very High Frequency Direction Finder, used to determine the azimuth of an aircraft from the ground station.

- l. FM Fan Marker, radio location marker radiating a vertical signal on 75 MHz.

- 10 IFR APPR Instrument Approach as published in Part 97 of the Federal Aviation Regulations for weather conditions below visual flight rules minimums.
- a. VOR An approach using a VOR facility for guidance to a runway.
- b. VORDME Same as VOR with the addition of distance measuring equipment.
- c. ILS Instrument Landing System provides an approach path for exact alignment and descent on final approach to a runway.
- d. LOC Same as ILS except the descent guidance is deleted.
- e. ADF Automatic Direction finding uses a NDB, H-SAB, or MHW facility for guidance.
- f. Radar Airport Surveillance Radar provides radar position of aircraft by azimuth and range data without elevation data.

Transportation Data

- 11 A/C Air Carrier
- a. Trunk Air Carrier
- (1) NWA Northwest Airlines
- (2) WAL Western Airlines
- b. Regional Air Carrier
- (1) AWA Air West Airlines
- (2) FAL Frontier Airlines
- c. Local Airlines
- (1) CBS Combs Airways
- (2) CMT Commute Air

12	<u>135</u>	<u>Part 135</u> of the Federal Aviation Regulations; Air Taxi Operators, this column shows if charter flights are available.
13	<u>S/T</u>	<u>Surface Transportation</u>
	a. <u>T</u>	Taxi
	b. <u>R</u>	Rental Cars
	c. <u>L</u>	Limousine

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways				Nav aids			IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength	Ltng.	Com	Facility	A/C		135	S/T	
BEAVERHEAD Dell Dell Flight Strip State of Montana	B	6114	Asph	5000	S-30M	BL2	U1						
Dillon Beaverhead County	LFS	5328	Asph	4000	S-12M	BL5	FSS	NDB(VFR only) (H)BVORTAC		VOR-1		Yes	T
Beaverhead County	16/34 LFL 7/25 LFL 3/21		Turf	3100 3800									
Jackson Hirschy-Jackson Private	LFL	6400	Sod	4000			U1						
Wisdom Wisdom Beaverhead County	LFL	6126	Sod	3500									
BIG HORN Crow Agency													
Fort Smith Yellowtail Dam National Park Service	LFL	3240	SBS	3827									
Hardin Fairgrounds Airport Big Horn County	LFL	2911	DBS	3500		BL4	U1					Yes	

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.			
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Hardin Hardin Municipal Big Horn County Lodge Grass	LFS 10/28	3040	Turf	3500									
	LFL 16/34			2850									
	LFG	2410	SBS	3900	S-12M	BL4	U1					Yes	T
	LFL 4/22	2576	Sod	2900			U1					Yes	
Chinook Hebbelman Private	LFL 11/29			2400									
	LFL 7/25			2200									
	LFL 10/28	2560	DBS	3200	S-12M	BL4							
	LFL 15/33		Sod	1750									
Harlem Riggin Memorial Blaine County-City of Harlem													
Hays													
Hogeland Hogeland Blaine County	LFL	3150	Sod	2300									

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Turner Turner Blaine County	LFL	3040	Turf	2700									
	10/28												
	LFL			2500									
5/23													
BROADWATER													
Canyon Ferry Reser- voir	LFS	3820	Turf	3400									
Canyon Ferry State of Montana													
Townsend	LFL	3850	Asph	4100	S-12M	B	U1					Yes	
Townsend													
Town of Townsend- Broadwater County													
CARBON													
Bridger	LFL	3713	SBS	3000	S-12M	L4 B							
Bridger Municipal City of Bridger													
Red Lodge	LFS	5762	DBS	4000	S-12M	BL4	U1					Yes	T
Red Lodge	16/34												
City of Red Lodge- County of Carbon	LFL		Turf	2300									
3/21													
CARTER													
Alzada													
Ekalaka	LFG	3485	STAB	3400									
Ekalaka													
Carter County													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)			
	Class	Elev	Runways				Ltng.	Nav aids			IFR Appr.	A/C	135	S/T
			Surf.	Lgth.	Strength	Com		Facility						
CASCADE Cascade														
Great Falls Great Falls International	AC	3671	Asph	8997	S-65M D-95M DT-170M	BL5, 6, 8a, 9	TWR FSS APC U2	NDB H-SAB (H)B VORTAC ILS RVR VHF/DF ASR	ILS R/W34 VOR-1 VORDME-1 ADF-1 Radar-1		NWA WAL AWA FAL	Yes Yes	T R	
City of Great Falls	AC	16/34		6996	S-50M D-70M DT-105M									
	LG	7/25		5008	S-35M D-50M									
Great Falls Montana Deaconess Hospital Heliport														T R
CHOUTEAU Big Sandy	LFL	2700	Turf	2470		BL4								
Big Sandy	6/24													
City of Big Sandy- Chouteau County	LFL			2500										
	13/31													
Carter Carter Chouteau County	LFL	3200	Sod	2200										
Fort Benton Fort Benton City of Fort Benton- County of Chouteau	LFS	2884	DBS	3400	S-12M	BL4	U1							

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation				
	Class	Elev	Runways				Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)			
			Surf.	Lgth.	Strength	Facility			A/C	135		S/T			
Geraldine Geraldine City of Geraldine- County of Chouteau	LFS	3180	DBS	2900	S-12M	BL4	U1								
	AC 12/30	2628	Asph	5600	S-115M D-200M DT-340M	BL5 11	FSS	NDB H-SAB (H)BVORTAC VHF/DF	VOR-1 VOR DME-1 VOR DME R/W 22 ADF-1		FAL CBS	Yes		T R	
	LG 4/22			6311	S-30M D-45M DT-70M										
Miles City Pine Hills School Heliport	LFL	2475	Sod	3300			U1								T R
	LFS 12/30	2432	DBS	2800	S-12M	BL4	U1					Yes			
	LFL 7/25		Sod	1950											
	LFL 16/34		Sod	2250											
DANIELS East Poplar East Poplar State of Montana Scobey Scobey City of Scobey-County of Daniels	AC 12/30	2476	Asph	5700	D-53M	BL5	U1								T R
	B 2/20		Stab	3000									CBS	Yes	
DAWSON Glendive Dawson Community Airport City of Glendive-Coun- ty of Dawson	LFS 12/30	2475	Sod	3300			U1								
	LFL 7/25		Sod	1950											
	LFL 16/34		Sod	2250											

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways				Nav aids			IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength	Ltng.	Com	Facility	A/C		135	S/T	
Richey Richey Dawson County	LFG	2494	Turf	3000									
DEER LODGE Anaconda Anaconda City of Anaconda- Deer Lodge County	B	5010	DBS	4500	S-12M	BL5	U1						T
Galen Galen State Hospital Heliport	H		Conc		6M								
FALLON Baker Baker Municipal City of Baker	LFS 12/30 LFL 7/25 LFL 16/34	2990	SBS	3300	S-4M	L4						Yes	T
FERGUS Denton Denton Fergus County-City of Denton	LFL 7/25 LFL 16/34	3850	Turf	2640									
Lewistown Lewistown Municipal City of Lewistown- County of Fergus	AC 7/25 AC 12/30 AC	4165	Asph	5615	S-50M D-65M S-35M D-50M DT-40M	BL5	FSS U2	NDB(VFR only) (H)BVORTAC VHF/DF		VOR-1	FAL CBS	Yes	T R

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation					
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)					
			Surf.	Lgth.	Strength			Facility	A/C		S/T					
Winifred Winifred City of Winifred- County of Fergus	LFL	3300	Turf	2350		BL4										T
FLATHEAD Big Fork																
Columbia Falls Veteran's Home Hel- iport																
Kalispell Kalispell City City of Kalispell	LFG	2935	RdMx	3660	S-8M	B	AR U1							Yes		T R
Kalispell Kalispell General Hospital Heliport	H		Asph		6M	L4	AR									T R
Kalispell Flathead County Airport	AC 1/19	2972	Asph	5578	S-55M D-85M	BL6	AR U1									T R
Flathead County	LG 7/25			4462	DT-160M S-60M											
					D-115M											
	LG 11/29			4722	DT-190M S-60M											
					D-115M											
					DT-190M											
Marias Pass																

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation			
	Class	Elev	Runways				Nav aids			IFR Appr.	Data (Served by)			
			Surf.	Lgth.	Strength	Ltng.	Com	Facility	A/C		I35	S/T		
Polebridge Polebridge State of Montana	LFL	3625	Turf	2350										R
West Glacier														T
Whitefish North Valley Communi- ty Hospital Heliport														R
Whitefish Whitefish Flathead County	LFL	3066	Sod	2600			AR							T
GALLATIN Bozeman Gallatin Field Gallatin County-City of Bozeman	AC 12/30 AC 16/34	4462	Asph	9000	D-200M S-32M D-55M DT-92M	BL5	FSS U1	NDB H-SAB (L) BVOR		VOR R/W 12 ADF-1	NWA FAL	Yes		T L R
Three Forks Three Forks City of Three Forks	LFS 1/19 LFL 17/35	4081	Turf Sod	3140 2200		BL4								
West Yellowstone Yellowstone Airport State of Montana	AC	6644	Asph	8400	D-115M	BL5	LRCO U1				WAL FAL	Yes		R

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		S/T		
GARFIELD Jordan Jordan Garfield County	LFG	2663	RdMx	3200	S-12M	BL4	U1	NDB (VFR only)					
GLACIER Babb Babb State of Montana	LFS	4500	Stab	3860			U1						
Browning Starr-Browning State of Montana	LFS	4650	Turf	4000			U1						
Cut Bank Cut Bank City of Cut Bank-Gla- cier County	LG 13/31 LG 4/22	3854	Asph	5985	S-55M D-80M DT-130M S-55M D-80M DT-130M	BL5		NDB (VFR only) (L)BVORTAC	VOR-1	Yes		T R	
East Glacier Cut Bank Cut Bank Memorial Hospital Heliport	H		Conc		6M	L4	FSS					R T R	
GOLDEN VALLEY Lavina Lavina Golden Valley County	LFG	3490	Turf	3500									

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways				Nav aids			IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength	Ltng.	Com	Facility	A/C		I35	S/T	
Ryegate Ryegate Golden Valley County	LFG	3700	Stab	3440		B							
GRANITE Drummond Drummond Granite County	LFL	4245	Turf	2600		BL2	AR	(L)BVOR					
Philipsburg Philipsburg Granite County	LFG	5212	RdMx	3600	S-12M								
HILL Havre Havre City/County City of Havre-Hill County	AC	2585	Asph	5200	S-40M D-50M DT-75M	BL5	AR U1	(L)BVOR	VOR-1	FAL	Yes		T
Rocky Boy Rudyard													
JEFFERSON Boulder Boulder Jefferson County	LFG	5068	Turf	3900									
Boulder Boulder River School Heliport													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA								Transportation			
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)	
			Surf.	Lgth.	Strength			Facility	A/C		S/T	
Whitehall								(H)BVORTAC				
JUDITH BASIN Hobson												
Stanford	LFG	4285	SBS	3500	S-8M	B						
Stanford	11/29											
Judith Basin County	LFL		Sod	2200								
7/25												
LAKE												
Polson	B	2936	Asph	3500	S-12M	BL4					CMT	Yes
Polson												
City of Polson-Lake County												
Ronan	LFS	3082	Stab	3250		BL4						
Ronan												
City of Ronan-Lake County												
St. Ignatius												
St. Ignatius	LFL	2990	Turf	2500								
Town of St. Ignatius - Lake County												
Swan Lake												
Swan Lake Youth For- est Camp Heliport												

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.			
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
LEWIS & CLARK Augusta Augusta-McBratney Lewis & Clark County Benchmark Benchmark U. S. Forest Service	LFG	4145	Turf	4300		B							
	B	5431	Asph	6000	S-45M								
	AC 8/26	3873	Asph	7000	S-100M D-115M DT-115M	BL5 11	CST APC U2	NDB(VFR only) (H)BVORTAC	VOR-1 VORDME-1	NWA WAL CMT	Yes	T R	
	B 11/29 B 5/23			5100 4500	S-4M S-16M D-23M								
Lincoln Lincoln State of Montana	LFG	4597	DBS	4000	S-12M	B							
Wolf Creek Ox-Bow State of Montana	B	3635	Turf	4800									
LIBERTY Chester Liberty County Liberty County	LFS	3169	DBS	3000	S-12M	BL4	U1						

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Tiber Dam Tiber Dam State of Montana	LFL	3012	Sod	2600									
LINCOLN Eureka Eureka Town of Eureka	LFL	2680	Stab	3200		BL4							
Fortine Vredenburgh Private	LFL	3140	Turf	3500									
Libby Libby Lincoln County	G	2500	Asph	4200	S-26M	BL5					CMT	Yes	T
Rooseville													
Troy Troy U. S. Forest Service	LFL	2017	SBS	2330									
MC CONE Circle Circle McCone County	B 12/30 LFL 3/21	2424	Asph Sod	3000 2600	S-12M								
Rock Creek State Park													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
MADISON	LFL	4985	Turf	3667									
Ennis													
Sportsman's Field													
Private													
Twin Bridges	LFS	4772	Stab	3450									
Twin Bridges	16/34												
Town of Twin Bridges	LFS			3200									
	12/30												
	LFS			3450									
8/26													
Twin Bridges													
Childrens Center Heli-													
port													
MEAGHER													
White Sulphur Springs	B	5060	Stab	4200									
White Sulphur Springs	2/20												
Town of White Sulphur	LFL		Sod	2900									
Springs-Meagher	12/30												
County													
MINERAL													
Superior	LFG	2777	RdMx	3400	S-12M	BL4							
Superior													
Mineral County													
MISSOULA													
Clinton	LFL	3540	Sod	3800									
Rock Creek													
Elliot Field													
State of Montana													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Condon Condon U. S. Forest Service	LFL	3884	Turf	2600									
	LFL	3936	Sod	2840			U1						
	AC 11/29 LG 16/34 G 7/25	3203	Asph	7046	D-100M	BL6	TWR FSS U2	NDB H-SAB (L)BVORTAC	VOR-1 VOR DME-1 ADF-1	NWA FAL CMT	Yes		T L R
Missoula Missoula Community Hospital Heliport													T R
	LFG	4037	Stab	3500		B							
MUSSELSHELL Melstone													
	LFG 4/22 16/34 8/26	3490	RdMx Sod Sod	3450 3000 3100	S-12M	BL4	U1	ND B (VFR only)				Yes	

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	A/C	135	S/T
			Surf.	Lgth.	Strength			Facility					
PARK													
Chico Hot Springs													
Gardiner	LFL	5300	Sod	3200			U1						
Gardiner													
Park County													
Livingston	LFS	4656	Asph	4200	S-110M	BL2	FSS	NDB(VFR only)		VOR-1		Yes	T
Mission Field	4/22		Sod	3930				(L)BVORTAC					R
City of Livingston-Park County	8/26		Sod	3620									
County	14/32												
Wilsall	LFG	5100	Sod	3100									
Wilsall													
Park County													
PETROLEUM													
Winnett													
PHILLIPS													
Saco Hot Springs													
Malta	LFS	2280	DBS	2800	S-12M	BL4	U1	NDB(VFR only)				Yes	
Malta	7/25												
City of Malta - Phillips County	LFL		Turf	2400									
County	12/30												
Morgan	LFL	2813	Sod	3000									
Morgan													
Phillips County													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA								Transportation			
	Class	Elev	Runways			Ltng.	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength		Facility	A/C		135	S/T	
PONDERA	LFS	3537	Asph	3600	S-12M	BL5	U1				Yes	
Conrad	5/23											
Conrad												
Pondera County												
Valier	LFL	3820	Turf	3000		B	U1					
Valier	10/28											
City of Valier	LFL			3000								
	4/22											
	LFG			3500								
	7/25											
POWDER RIVER	LFL	3600	Stab	2706		L4						
Bell Creek												
Bell Creek												
Private												
Broadus	LFG	2992	Stab	3100		BL4		NDB (VFR only)				
Broadus												
Powder River County												
POWELL												
Deer Lodge	LFS	4688	DBS	3800	S-12M	BL4						T
Deer Lodge												
City of Deer Lodge-												
Powell County												
Deer Lodge	H		Conc			6M						T
State Prison Heliport												

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility			A/C	135	S/T
Elliston													
Ovondo													
PRAIRIE													
Terry	LFL	2260	Sod	2600									
Terry	10/28												
Prairie County	LFL			2500									
	7/25												
RAVALLI													
Hamilton	LFS	3640	DBS	4200	S-8M	BL4	U1						Yes
Hamilton													
City of Hamilton, Ravalli County													
Hamilton													
Marcus Daly Memorial Hospital Heliport													
Stevensville													
Stevensville	LFL	3620	Stab	3000									
Ravalli County													
RICHLAND													
Fairview													
Fairview													
Richland County													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Sidney Sidney-Richland Muni- cipal Richland County	AC	1978	Asph	4250	S-30M D-57M	BL4	U1				CBS	Yes	T
ROOSEVELT Culbertson Culbertson Roosevelt County	LFS	1953	DBS	3000	S-8M	BL5	U1					Yes	
Poplar Poplar Roosevelt County	LFS 9/27 LFL 4/22	2006	DBS Sod	3000 1700	S-12M	BL5	U1						T
Wolf Point Wolf Point Roosevelt County	AC	1985	Asph	5100	S-38M D-50M	BL5	U1				FAL	Yes	
ROSEBUD Ashland Ashland Private	LFL 7/25 LFS 13/31	2931	Stab	2800 3627		BL4	U1						
Colstrip Colstrip Private													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways				Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)	
			Surf.	Lgth.	Strength	Facility			A/C	S/T			
Forsyth Forsyth Municipal Rosebud County	LFS 7/25	2728	DBS	2500	S-12M	BL2	U1						
	LFL 11/29			2500									
	LFL 3/21			2500									
Lame Deer													
SANDERS Heron													
Hot Springs Hot Springs Sanders County	LFS	2763	Stab	2500		BL4							
Plains Plains Sanders County	LFL 12/30 LFL 7/25	2460	Turf	2920 1700		BL4							
Thompson Falls Thompson Falls Sanders County	LFL	2460	Sod	2450		BL4							
SHERIDAN Medicine Lake Medicine Lake Unknown	LFL 16/34 LFL 7/25	1990	Sod	2600 1900									

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways				Nav aids			IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength	Ltng.	Com	Facility	A/C		135	S/T	
Plentywood Sher-Wood City of Plentywood- Sheridan County	LFS 12/30	2250	DBS	3200	S-12M	BL4	U1	NDB (VFR only)			Yes		
	LFL 4/22		Sod	2000									
	LFL 16/34		Sod	2000									
	LFL 7/25		Sod	2600									
	AC 15/33	5554	Asph	8000	S-65M D-110M DT-195M	BL5	FSS U2	(L)BVORTAC FM(HOMESTAKE)	VOR-1 VOR-2 VOR DME-1	NWA WAL	Yes	T R	
SILVER BOW Butte Silver Bow County Silver Bow County	LG 11/29			5566	S-45M D-80M								
	LG 2/20			5556	S-45M D-80M DT-130M								
Tri-City													
STILLWATER Absarokee													
Columbus Columbus City of Columbus	LFL	3575	DBS	2600	S-12M	BL4	U1				Yes		
Rapelje													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation			
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)			
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T		
SWEET GRASS Big Timber Big Timber City of Big Timber- Sweet Grass County	B 6/24 LFG 18/36	4483	RdMx	4650	S-4M	BL5	U1					Yes		
TETON Choteau Choteau City of Choteau-Teton County	B 5/23 16/34	3945	RdMx	3800	S-12M	BL4	U1					Yes		
Dutton Dutton Town of Dutton, Teton County	LFL	3695	Turf	2780		BL4						Yes		
Fairfield Fairfield City of Fairfield-Teton County	LFS 2/20 LFL 7/25	3990	Sod	3600			U1							
TOOLE Shelby Shelby Toole County	LFS 5/23 LFS 11/29	3425	RdMx	3700	S-12M	BL5	U1	NDB MHW	ADF-1			Yes		T
Sunburst Sunburst Toole County	LFL	3399	Sod	2650										

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	Data (Served by)		
			Surf.	Lgth.	Strength			Facility	A/C		135	S/T	
Sweetgrass Ross International State of Montana	LFL	3550	Sod	3000			U1						
	LFG	2624	Stab	3000									
TREASURE Hysham Hysham Treasure County													
VALLEY Fort Peck Fort Peck U. S. Government	LFS 12/30 5/23	2294	Sod	3325									
Glasgow Glasgow International City of Glasgow, Valley County	AC 12/30 AC 7/25	2298	Asph	5000	S-68M D-90M DT-136M S-40M D-55M DT-85M	BL5	U1	(H) BVOR	VOR-1	FAL	Yes	T R	
Hinsdale Hinsdale Valley County	LFL 10/28 LFL 16/34	2180	Sod	2100 1800									
Nashua													

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation		
	Class	Elev	Runways			Nav aids		IFR Appr.	Data (Served by)				
			Surf.	Lgth.	Strength	Ltng.	Com		Facility	A/C	135	S/I	
Opheim Opheim City of Opheim, Valley County	LFS 16/34	3264	Turf	3100		BL4							
	LFL 4/22			1550									
	LFL 10/28			1230									
WHEATLAND Harlowton Harlowton Municipal City of Harlowton	LFL 8/26	4214	Turf	3200		BL2	U1						
	LFL 11/29			2700									
	LFL 16/34			2600									
Judith Gap													
WIBAUX													
YELLOWSTONE Billings Logan Field City of Billings	AC 9/27	3606	Asph	8600	S-130M D-200M DT-400M	BL5 6 8a 9	TWR FSS APC U2	NDB H-SAB (H) BVORTAC VHF/DF RVR ILS	ILS R/W 9 ADF R/W 9 LOC R/W 27 VOR R/W 9 VOR DME R/W 27	NWA WAL FAL CBS	Yes		T R
AG 16/34				5597	S-85M D-130M DT-220M								
AC 4/22				5689	S-69M D-120M DT-210M								

EXISTING AIRPORT DATA BY COUNTY AND PLACE NAME

Place Name Airport Name Ownership	AIRPORT DATA										Transportation Data (Served by)		
	Class	Elev	Runways			Ltng.	Com	Nav aids		IFR Appr.	A/C	135	S/T
			Surf.	Lgth.	Strength			Facility					
Huntley Laurel Laurel City of Laurel	LFL	3515	DBS	2850	S-12M	B	U1						T
	13/31												
	LFL		Sod	1620									
	7/25												
	LFL		Turf	4000									
	2/20												

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
BEAVERHEAD	Dell	Yes		Yes	21	7,194	INTL. The term "international airport" means any airport designated by the Secretary of the Treasury or the Commissioner of Customs as a port of entry for aircraft arriving in the United States from any place outside thereof and for cargo carried on such aircraft.
	Dillon				1	35	
	Jackson				14	3,690	
	Wisdom					60	
BIG HORN	Crow Agency	Yes		Yes	44	10,007	LRA The term "landing rights" means permission to land at a specified airport which is granted by the appropriate customs officer with the concurrence of the appropriate officers of the Immigration and Naturalization Service, the Public Health Service, and the Department of Agriculture.
	Fort Smith					600	
	Hardin				10	2,789	
	Fairgrounds Municipal Lodge Grass				12	687	
BLAINE	Chinook	Yes		Yes	43	8,091	FBO The term "fixed base operator" means a general aviation commercial operator of any one or more, or all of the following: charter service, flight school, aircraft repair shop, fuel sales or aircraft sales, but does not mean an agricultural spray operator as such.
	Municipal Hebbelman				12	2,326	
	Harlem				8	1,267	
	Hays				6	600	
BROADWATER	Hogeland	Yes		Yes	1	80	
	Turner				4	175	
	Canyon Ferry				3	2,804	
	Townsend				3	1,528	
CARBON	Bridger	Yes		Yes	14	8,317	
	Red Lodge				2	824	
CARTER		Yes		Yes	9	2,278	Isolation
	Alzada				18	2,493	
	Ekalaka				3	50	
						738	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
CASCADE	Cascade Great Falls GTF International Airport	Yes	INTL.	Yes	104	73,418 604 58,500	
	Montana Deaconess Hospital Heliport				91		
CHOUTEAU	Big Sandy Carter				46 4	7,348 954 120	
	Fort Benton Geraldine	Yes		Yes	9 7	1,887 364	
CUSTER	Miles City Pine Hills School Heliport	Yes		Yes	31 24	13,727 9,800	
DANIELS	East Poplar Scobey	Yes	LRA	Yes	11 6	3,755 1,726	
DAWSON	Glendive Richey	Yes		Yes	31 17 1	12,314 7,058 480	
DEER LODGE	Anaconda Galen State Hospital Heliport	Yes		Yes	7 7	18,640 12,054	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
FALLON	Baker	Yes		Yes	15 10	3,997 2,365	
FERGUS	Denton Lewistown Winifred	Yes		Yes	65 5 43 2	14,018 410 7,408 220	
FLATHEAD	Big Fork Columbia Falls Veterans Home Heliport Kalispell Kalispell City Kalispell General Hospital Heliport Flathead County Marias Pass Polebridge West Glacier Whitefish North Valley Community Hospital Heliport	Yes		Yes	60 24 30 1	32,965 500 2,132 10,151 350 2,965	
GALLATIN	Bozeman Three Forks West Yellowstone	Yes Yes Yes		Yes	40 37 1 1	26,045 13,361 1,161 620	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
GARFIELD	Jordan			Yes	20 1	1,981 557	
GLACIER	Babb Browning Cut Bank Cut Bank Memorial Hospital Heliport East Glacier	Yes	INTL.	Yes	30 23	11,565 50 2,011 4,539	
GOLDEN VALLEY	Lavina Ryegate				3 2	1,203 212 314	
GRANITE	Drummond Philipsburg				4 2	3,014 577 1,107	
HILL	Havre Rocky Boy Rudyard	Yes	INTL.	Yes	34 18	18,653 11,100 75 600	
JEFFERSON	Boulder Boulder River School Heliport Whitehall			Yes		4,297 1,394 898	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
JUDITH BASIN LAKE	Hobson				2	3,085	
	Stanford			Yes	2	207 615	
	Polson	Yes		Yes	22	13,104	
	Ronan				11	2,314	
LEWIS & CLARK	St. Ignatius				4	1,334	
	Swan Lake Youth Forest Camp				3	940	
	Heliport					200	
	Augusta				57	28,006 400	
LIBERTY	Benchmark	Yes		Yes	52	21,800	
	Helena				3	400	
	Lincoln				2	175	
	Wolf Creek						
LINCOLN	Chester	Yes		Yes	14	2,624	
	Tiber Dam				8	1,158	
	Eureka				20	12,537	
	Fortine				8	1,229	
McCONE	Libby	Yes		Yes	1	100	
	Rooseville				10	2,828	
	Troy				1	855	
	Circle Rock Creek State Park			Yes	17	3,321	
					6	1,117	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
MADISON	Ennis				5	5,211	Virginia City, County Seat
	Twin Bridges Childrens Center Heliport	Yes			2 3	525 509	
MEAGHER	Ringling White Sulphur Springs				7 1	2,616	
	Superior			Yes	5	1,519	
MINERAL				Yes	1 1	3,037 1,242	
					111	44,663 160	
MISSOULA	Clinton Condon Evaro						
	Missoula Johnson-Bell Missoula Com- munity Hospital Heliport Seeley Lake	Yes		Yes	111	27,090	
MUSSELSHELL						500	
	Melstone Roundup				10	4,888 266	
PARK		Yes		Yes	10	2,842	
	Chico Hot Springs Gardiner Livingston Wilsall				13	13,168 25 650	
		Yes		Yes	12	8,229 200	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
PETROLEUM	Winnett			Yes	4	894 360	
PHILLIPS	Saco Hot Springs Malta Morgan	Yes	LRA	Yes	21 11	6,027 2,239	
PONDERA	Conrad Valier	Yes Yes		Yes	29 15 8	7,653 2,665 724	
POWDER RIVER	Bell Creek Broadus			Yes	22 7	2,485 628	
POWELL	Deer Lodge State Prison Heliport Elliston Ovando			Yes	2 2	7,004 4,681	
PRAIRIE	Terry			Yes	4 1	2,318 1,140	
RAVALLI	Hamilton Marcus Daly Memorial Hospital Heliport Stevensville	Yes		Yes	25 21	12,341 2,475	
						784	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
RICHLAND	Fairview				24	10,504	
	Sidney	Yes		Yes	16	1,006 4,564	
ROOSEVELT	Culbertson	Yes			29	11,731	
	Poplar	Yes			8	919	
	Wolf Point	Yes		Yes	5	1,565	
					11	3,585	
ROSEBUD	Ashland				13	6,187	
	Colstrip				3	150	
	Forsyth					75	
	Lame Deer	Yes		Yes	4	2,032 300	
SANDERS	Heron				15	6,880	
	Hot Springs					25	
	Plains				2	585	
	Thompson Falls			Yes	7 4	769 1,274	
SHERIDAN	Medicine Lake				21	6,458	
	Plentywood				4	452	
		Yes		Yes	9	2,121	
SILVER BOW	Butte				15	46,454	
	Tri-City	Yes		Yes	15	27,500 39,554	
STILLWATER	Absarokee				17	5,526	
	Columbus					600	
	Rapelje	Yes		Yes	7	1,281 100	

COMMUNITY DATA BY COUNTY

County	Place Name	FBO	Border Cross.	County Seat	Based Aircraft	1960 Pop.	Remarks
SWEET GRASS							
	Big Timber	Yes		Yes	12 10	3,290 1,660	
TETON							
	Choteau	Yes		Yes	12	7,295	
	Dutton				8	1,966	
	Fairfield				1	504	
						752	
TOOLE							
	Shelby	Yes		Yes	30	7,904	
	Sunburst				16	4,017	
	Sweetgrass		LRA			882	
						205	
TREASURE							
	Hysham			Yes	2 1	1,345 494	
VALLEY							
	Fort Peck				44	17,080	
	Glasgow				1	650	
	Hinsdale	Yes	LRA	Yes	26	6,398	
	Nashua					400	
	Opheim				4	796	
						457	
WHEATLAND							
	Harlowton				6	3,026	
	Judith Gap			Yes	5	1,734	
						185	
WIBAUX							
	Wibaux			Yes	1	1,698	
						766	
YELLOWSTONE							
	Billings				179	79,016	
	Huntley	Yes		Yes	165	55,000	
	Laurel				6	250	
						4,601	

PRIMARY DEMAND FACTORS OF SCHEDULED AIR TRANSPORTATION AIRPORTS

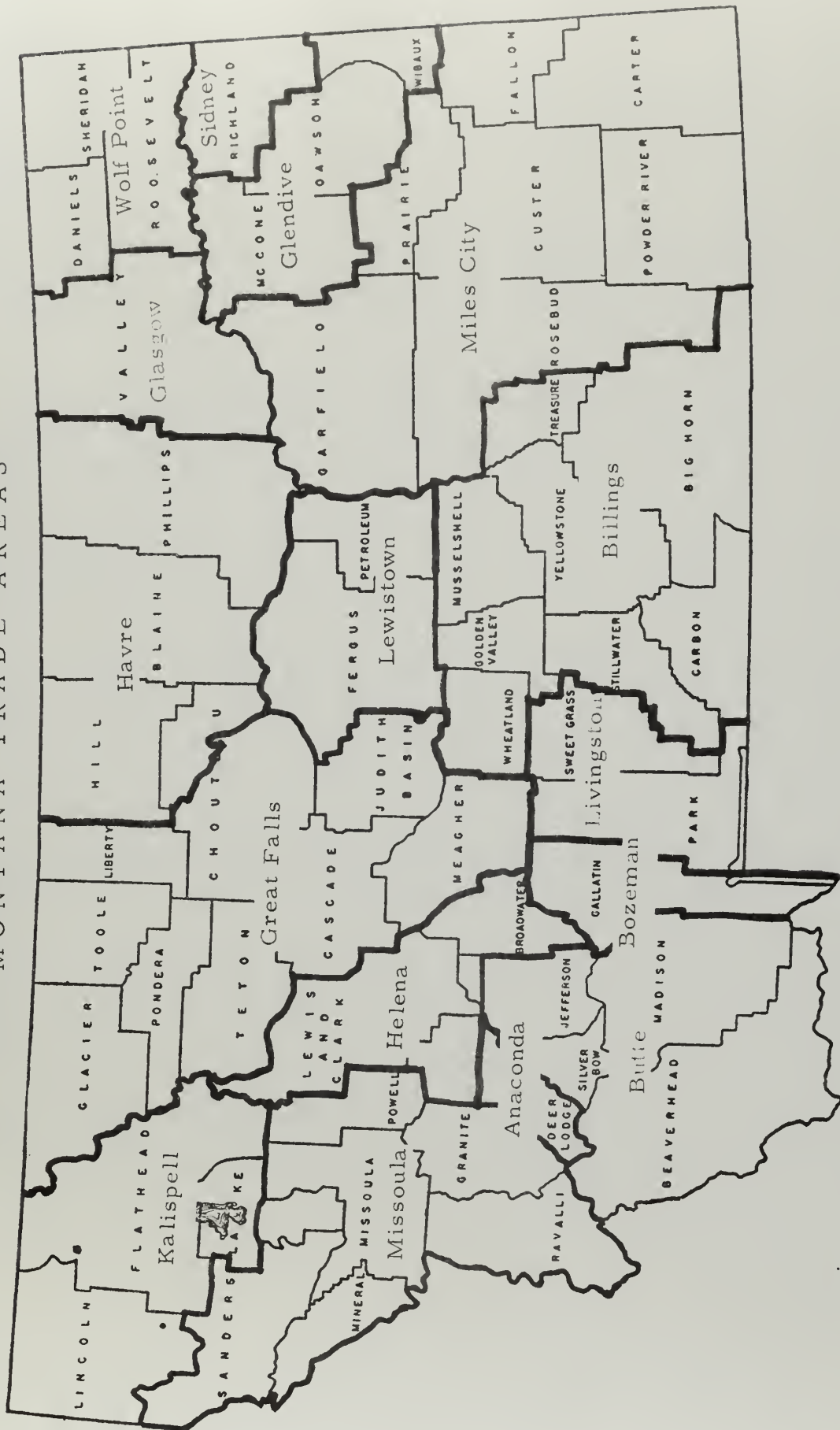
For definitional purposes, a trade area is defined as one which offers the contained population a complete shopping center and has caused the division of the State into 16 trade areas as presented in map form on the following pages.

The schedule of demand factors for scheduled air transportation airports presents population data by trade area for 1960 with projections to 1975 and 1980 with reference to Chapter 1, "Montana's General Economic Profile" as presented by T.A.P., Inc., economic consultants, in the study entitled "Montana State Air Survey - 1968".

Airline O & D factors and projections for 1975 and 1980 are taken not only from the above-mentioned report, but further substantiated by Statistical Supplement No. 1, Tables 1 through 98, and Statistical Supplement No. 2, Tables 1 through 28 of the Montana State Air Survey - 1968.

Though air cargo tons reflected the actual for the air carrier cities as listed in the various trade areas, the projections for 1975 and 1980 were made on a state basis.

MONTANA TRADE AREAS



PRIMARY DEMAND FACTORS AIR CARRIER AIRPORTS

Trade Area	Trade Area Population		Airline O&D Passengers		Air Cargo (Tons)	
	1960	1975	1980	1967	1975	1980
Billings	113,328	144,179	156,536	176,890	429,230	546,030
Bozeman	26,045	35,234	38,933	16,190	93,260	118,810
Butte	61,738	72,878	77,507	52,940	111,530	148,280
Glasgow	17,080	21,855	23,807	4,300	---	13,200
Glendive	17,333	19,778	20,761	1,660	---	5,170
Great Falls	123,508	153,735	166,112	170,990	408,560	519,060
Great Falls	32,771	36,399	38,932	1,430	---	4,235
Helena	32,228	39,306	42,244	28,770	93,260	118,810
Kalispell	54,282	72,713	80,102	7,760	---	42,000
Lewistown	14,912	16,454	16,289	2,740	---	8,140
Miles City	32,688	36,065	37,590	2,950	---	7,892
Missoula	76,570	99,138	108,205	58,850	203,440	264,450
Sidney	10,504	12,299	13,067	2,510	---	7,398
West Yellowstone	N/A	N/A	N/A	6,070	48,000	76,000
Wolf Point	21,944	23,517	24,255	1,450	---	4,675
STATE TOTAL						

SHORT RANGE PROJECTS FOR STATE SPONSORSHIP

<u>COUNTY</u>	<u>PLACE</u>	<u>PLANNED PROJECT</u>	<u>COST EST.</u>
Beaverhead	Dell	NDB	\$ 5,000
Big Horn	Fort Smith-Yellow Tail	Acquire and pavement on runway and apron	80,000
Carbon	Red Lodge	NDB	5,000
Cascade	Cascade	Construct new airport	50,000
Cascade	Great Falls Deaconess	Construct hospital heliport	15,000
Custer	Miles City	Construct Pine Hills School heliport	2,000
Fallon	Baker	NDB	5,000
Flathead	Big Fork	Acquire land and fence on stage development	70,000
Flathead	Columbia Falls	Soldiers Home heliport	2,000
Gallatin	West Yellowstone	NDB	15,000
Glacier	East Glacier	Construct short term landing strip	18,000
Hill	Rocky Boy	Construct new airport - Stage I	40,000
Hill	Rudyard	Construct new airport - Stage I	40,000
Jefferson	Boulder	Construct heliport	2,000
Judith Basin	Hobson	Acquire property and fence	40,000
Lake	Polson	NDB	5,000
Lake	Swan Lake	Construct new heliport at Youth Camp	2,000
Lewis & Clark	Lincoln	Strengthen runway, taxi and apron, and obstruction removal	70,000 *
Lincoln	Libby	NDB	7,500
Madison	Twin Bridges	Construct heliport at Children's Center	2,000
Missoula	Missoula	Construct hospital heliport at Missoula Community Hospital	10,000
Petroleum	Winnett	Construct new airport	40,000
Ravalli	Hamilton	Construct hospital heliport at Marcus Daly	5,000
Ravalli	Hamilton	NDB	5,000
Richland	Fairview	Construct runway-taxiway and apron in Stage II	30,000
Silver Bow	Butte	NDB	5,000
TOTAL			<u>\$570,500</u>

*FAAP

DEVELOPMENT RECOMMENDATIONS

The following pages provide a convenient format for the presentation of airport development recommendations for three (3) time periods. The short range planning period encompasses the present through fiscal year 1973; the intermediate planning period, 1973-1980; and the long range planning period, 1980-1990.

The "Description of Recommended Development" shows those items recommended for the short and interim (intermediate) periods only.

The "Cost" column (short range) shows the dollar value for Montana Aeronautics Commission sponsored projects or a cost code number only for all other sponsors.

The "Intermediate" ("Work" and "Cost") column shows the work, and the cost of the work, to be accomplished during this period by number codes which are explained later. No attempt at this time was made to code any long range items other than show the anticipated class or role.

Explanation of Terms

The place name, airport name, ownership, class, and abbreviations are the same as used for Existing Airport Data, Pages 17 through 23.

The system role, in the following example, B-L, the "B" indicates the airport class as defined under Existing Airport Data; the "L" indicates the role of this airport in the over all system of airports. The system role code is as follows:

- P - Primary air carrier airport, served by trunk air carriers, Northwest Air Lines and Western Air Lines.
- F - Feeder air carrier airport, served by regional air carriers, Air West and Frontier Air Lines.
- T - Scheduled feeder airport, served by local air carriers, Combs Airways, Inc. and Commute Air.
- R - Reliever general aviation airport, this airport will provide general aviation a facility away from a congested air carrier airport.
- L - Local general aviation airport for economic development.
- LX - Special use general aviation airport; emergency, recreation, industry, government.

Work Code is indicated as follows:

- 1 - Make minor, but necessary, improvements to existing fundamental configuration.
- 2 - Provide major paving at existing fundamental configuration.
- 3 - Make major improvements other than major paving at existing fundamental configuration.
- 4 - Make major terminal improvements to existing fundamental configuration.
- 5 - Construct new airport or acquire existing airport.
- 6 - Land acquisition for new airport
- 7 - Add capacity-oriented facilities to existing airport; new runway(s).
- 8 - Add capacity-oriented facilities to existing airport; new paving other than runways.
- 9 - Add capacity-oriented facilities to existing airport; terminal facilities.
- 0 - Add navigational aids and/or radio.
- 00 - Construct new terminal complex.

The Cost Code will bracket the cost of the item as follows:

1 - Below	- \$ 5,000	6 - \$100,000	- \$ 150,000
2 - \$ 5,000	- \$ 10,000	7 - \$150,000	- \$ 200,000
3 - \$10,000	- \$ 20,000	8 - \$200,000	- \$ 300,000
4 - \$20,000	- \$ 50,000	9 - \$300,000	- \$ 500,000
5 - \$50,000	- \$100,000	10 - \$500,000	- \$1,000,000
		11 -	Over \$1,000,000

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Cost	Intermediate	
	Class and Role			Description of Recommended Devel.		Work	Cost
	Short	Interim	Long				
BEAVERHEAD COUNTY Dell Dell Flight Strip State of Montana	B-LX	B-LX	B-LX	Install NDB	5,000	3	2
	LFS-L	LFS-L	LFS-T	Pave crosswind Light crosswind		8	3
	LFL-L	LFL-L	LFL-L	Acquire airport		5	5
	LFL-L	LFL-L	LFG-L	Land for airport development Runway marking		6	1
	LFL-LX	LFL-LX		Acquire Pave	80,000	5	5
BIG HORN COUNTY Crow Agency Fort Smith Yellowtail Dam National Park Service	LFL-L	LFS-L	B-L	Construct new airport NDB		7	1
						0	

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
BIG HORN COUNTY -Cont. Lodge Grass		LFG-L		Construct new airport		5	5
BLAINE COUNTY Chinook Chinook Municipal Blaine County -City of Chinook	LFG-L	LFG-L	LFG-L	Overlay NDB Zoning		2 0	5 1
Chinook Hebbelman Private	LFL-LX	LFL-LX	LFL-LX				
Harlem Riggin Memorial Blaine County -City of Harlem	LFL-L	LFS-L	LFS-L	Widen runway shoulders Unicom		1 0	2 1
Hays		LFG-L	LFG-L	Construct new airport		5	5
Hogeland Hogeland Blaine County	LFL-LX	LFL-LX	LFL-LX	No plan			
Turner Turner Blaine County	LFL-L	LFL-L	LFL-L	No plan			

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short		Long				
	Short	Interim	Long				
BROADWATER COUNTY Canyon Ferry Reservoir Canyon Ferry State of Montana	LFS-LX	LFS-LX	LFS-LX	No plan			
	LFL-L	B-L	B-L	Widen runway and Remove obstructions Lights	8 3		4 2
	LFL-L	LFG-L	LFG-L	Widen runway	2		3
CARBON COUNTY Bridger Bridger Municipal City of Bridger	LFS-L	LFS-L	B-L	Runway extension and overlay NDB	2 0	5,000	5 1
			LFG-LX	Construct new airport	5		5
CARTER COUNTY Alzada Ekalaka Ekalaka Carter County	LFG-L	LFS-L	LFS-L	Pave runway, apron, taxiway	2		5
	LFG-L	LFG-R	LFG-R	Construct new airport	5	50,000	5
CASCADE COUNTY Cascade							

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	
	Short	Interim	Long			
CASCADE COUNTY - Cont. Great Falls Great Falls Inter-national City of Great Falls	AC-P	AC-P	AC-P	Extend and strengthen runways 16/34 and 3/21; strengthen taxiway; additional lights New terminal complex		2 10 00 11
Great Falls Montana Deaconess Hospital Heliport Montana Deaconess Hospital	H-LX	H-LX	H-LX	Construct new heliport	15,000	5 3
CHOUTEAU COUNTY Big Sandy Big Sandy City of Big Sandy - Chouteau County	LFL-L	LFS-L	LFS-L			2 5
Carter Carter Chouteau County	LFL-LX	LFL-LX	LFL-LX			
Fort Benton Fort Benton City of Fort Benton - County of Chouteau	LFS-L	LFS-L	LFS-L			2 5
Geraldine Geraldine City of Geraldine - County of Chouteau	LFS-L	B-L	B-L			2 5

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work
	Short	Interim	Long			
CUSTER COUNTY Miles City Miles City City of Miles City	AC-F	AC-F	AC-F			2 00 0
Miles City Pine Hills School Heliport	H-LX	H-LX	H-LX	Construct new heliport	2,000	5
DANIELS COUNTY East Poplar East Poplar State of Montana	LFL-LX	LFL-LX	LFL-LX			
Scobey Scobey City of Scobey - County of Daniels	LFS-L	B-L	B-L			2
DAWSON COUNTY Glendive Dawson Community City of Glendive - County of Dawson	AC-F	AC-F	AC-F			8 0
Richey Richey Dawson County	LFG-L	LFG-L	LFG-L			
						4 2
						5
						1

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
DEER LODGE COUNTY Anaconda Anaconda City of Anaconda - Deer Lodge County	B-L	B-L	B-R			7	4
Galen Galen State Hospital Heliport State of Montana - Dept. of Institutions	H-XL	H-XL	H-XL			1	1
FALLON COUNTY Baker Baker Municipal City of Baker	LFS-L	B-L	B-L	Install NDB	5,000	2 0	6 1
FERGUS COUNTY Denton Denton Fergus County - City of Denton	LFL-L	LFS-L	LFS-L			2	5
Lewistown Lewistown Municipal City of Lewistown - County of Fergus	AC-F	AC-F	AC-F			2 0	9 5
Winifred Winifred City of Winifred - County of Fergus	LFL-L	B-L	B-L			2	5

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	
	Short	Interim	Long			
FLATHEAD COUNTY Big Fork Columbia Falls Veteran's Home Heliport Kalispell Kalispell City City of Kalispell Kalispell Kalispell General Hospital Heliport Kalispell General Hospital Kalispell Flathead County Airport Flathead County Marias Pass Polebridge Polebridge State of Montana West Glacier	LFG-L	B-L	B-L	Acquire and fence land; grade landing area	35,000	54
	H-LX	H-LX	H-LX	Construct new heliport	2,000	51
	LFG-L	LFG-L	B-R			25
	H-LX	H-LX	H-LX			
	AC-F	AC-F	AC-P	Construct taxiway; extend runway; strengthen runway, taxiway, apron		298
	LFG-LX	LFG-LX	LFG-LX			
	B-L	B-L	B-L	Construct new airport		56

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Cost	Intermediate	
	Class and Role			Description of Recommended Devel.		Work	Cost
	Short	Interim	Long				
FLATHEAD COUNTY-Cont. Whitefish North Valley Community Hospital Heliport	H-LX	H-LX	H-LX	5	1		
	LFG-L	LFG-L	B-R				
GALLATIN COUNTY Bozeman Gallatin Field Gallatin County-City of Bozeman	AC-P	AC-P	AC-P	0 00 2	5 9 8		
Three Forks Three Forks City of Three Forks	LFS-L	LFS-L	B-L	1 2	-	5	
West Yellowstone Yellowstone Airport State of Montana	AC-P	AC-P	AC-P	0 2 9 0	2 10 10 9	15,000	
GARFIELD COUNTY Jordan Jordan Garfield County	LFS-L	LFS-L	B-L	2	5		

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	
	Short	Interim	Long			
GLACIER COUNTY Babb Babb State of Montana Browning Starr-Browning State of Montana Cut Bank Cut Bank City of Cut Bank- Glacier County Cut Bank Cut Bank Memorial Hospital Heliport Cut Bank Memorial Hospital East Glacier	LFS-L	LFS-L	LFS-L			
	LFS-L	LFS-L	LFS-L			
	LG-L	LG-L	AC-T			2 10
	H-LX	H-LX	H-LX			
GOLDEN VALLEY Lavina Lavina Golden Valley County Ryegate Ryegate Golden Valley County	LFL-LX	AC-F	AC-F	Construct LFL airport	18,000	3 5 0 5 11
	LFG-L	LFG-L	LFG-L			3 2
	LFG-L	LFG-L	LFG-L			3 2
	LFG-L	LFG-L	LFG-L			3 2

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
GRANITE COUNTY Drummond Drummond Granite County	LFL-L	B-L	B-L			3	5
	B-L	B-L	B-L	BL4		3 2	2 4
	AC-F	AC-F	AC-F			2 7 0	5 5 5
HILL COUNTY Havre Havre City-County City of Havre-Hill County	LFG-L	LFG-L	LFG-L	Acquire and fence land; grade landing area	25, 000	5	4
Rocky Boy	LFG-L	LFG-L	LFG-L	Acquire and fence land; grade landing area	25, 000	5	4
Rudyard	LFG-L	LFG-L	LFG-L				
JEFFERSON COUNTY Boulder Boulder Jefferson County	LFG-L	LFG-L	LFG-L				
Boulder Boulder River School Heliport	H-LX	H-LX	H-LX	Construct new heliport	2, 000	5	1
Whitehall		B-L	B-L			5	6

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role		Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long			
JUDITH BASIN COUNTY Hobson	LFG-L	LFG-L	LFG-L	Acquire and fence land; grade landing area	25,000	5 4
Stanford Stanford Judith Basin County	LFS-L	LFS-L	LFS-L		.	3 2 2 5
LAKE COUNTY Polson Polson City of Polson - Lake County	B-L	G-T	G-T	Install NDB Extend apron	5,000	0 1 8 4 7 & 8 6
Ronan Ronan City of Ronan - Lake County	LFS-L	LFS-L	LFS-L			
St. Ignatius St. Ignatius Town of St. Ignatius - Lake County	LFL-L	LFL-L	LFL-L			
Swan Lake Swan Lake Youth Forest Camp Heliport	H-LX	H-LX	H-LX	Construct new heliport	2,000	5 1

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period			Description of Recommended Devel.	Cost	Intermediate	
	Class and Role					Work	Cost
	Short	Interim	Long				
LEWIS & CLARK COUNTY Augusta Augusta-McBratney Lewis & Clark County Benchmark Benchmark U. S. Forest Service	LFG-L	LFG-L	LFG-L	Extend runway 8/26; strengthen runway, taxiway, apron Strengthen runway 11/29 Strengthen runway, taxiway, apron; clear zone obstruction removal Strengthen runway, taxiway, apron Construct crosswind runway	70,000	3	2
	B-LX	B-LX	B-LX				
	AC-P	AC-P	AC-P				
	LFG-L	LFG-L	LFG-L				
Lincoln Lincoln State of Montana Wolf Creek Ox-Bow State of Montana LIBERTY COUNTY Chester Liberty County Liberty County Tiber Dam Tiber Dam State of Montana	B-LX	B-LX	B-LX			3	2
	LFS-L	B-L	B-L				
	LFL-LX	LFL-LX	LFL-LX				

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Cost	Intermediate	
	Class and Role			Description of Recommended Devel.		Work	Cost
	Short	Interim	Long				
LINCOLN COUNTY Eureka Eureka Town of Eureka	LFL-L	LFL-L	B-L				
	LFL-LX	LFL-LX	LFL-LX				
	G-T	G-T	G-T	Install NDB	7,500	0	2
						8	4
Roosville Troy Troy U. S. Forest Service		LFG-LX	LFG-LX			5	5
	LFL-L	LFL-L	LFL-L	Clear zone obstruction removal		1	1
McCONE COUNTY Circle Circle McCone County	B-L	B-L	B-L	L4		1	1
Rock Creek State Park			LFG-LX			5	5
MADISON COUNTY Emmis Sportsmans Field Private	LFL-L	LFL-L	B-L			5	5

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
MADISON COUNTY-Cont. Twin Bridges Twin Bridges Town of Twin Bridges Twin Bridges Childrens Center Heliport	LFS-L H-LX	LFS-L H-LX	B-L H-LX	 Construct new heliport	 2,000	1 5	1 1
MEAGHER COUNTY White Sulphur Springs White Sulphur Springs Town of White Sulphur Springs-Meagher County	B-L	B-L	B-L			1 2	1 6
MINERAL COUNTY Superior Superior Mineral County	LFG-L	LFG-L	LFG-L			2	4
MISSOULA COUNTY Clinton Rock Creek Elliott Field State of Montana	LFL-LX	LFL-LX	LFL-LX				
Condon Condon U. S. Forest Service	LFL-LX	LFL-LX	LFG-LX				

DEVELOPMENT RECOMMENDATIONS

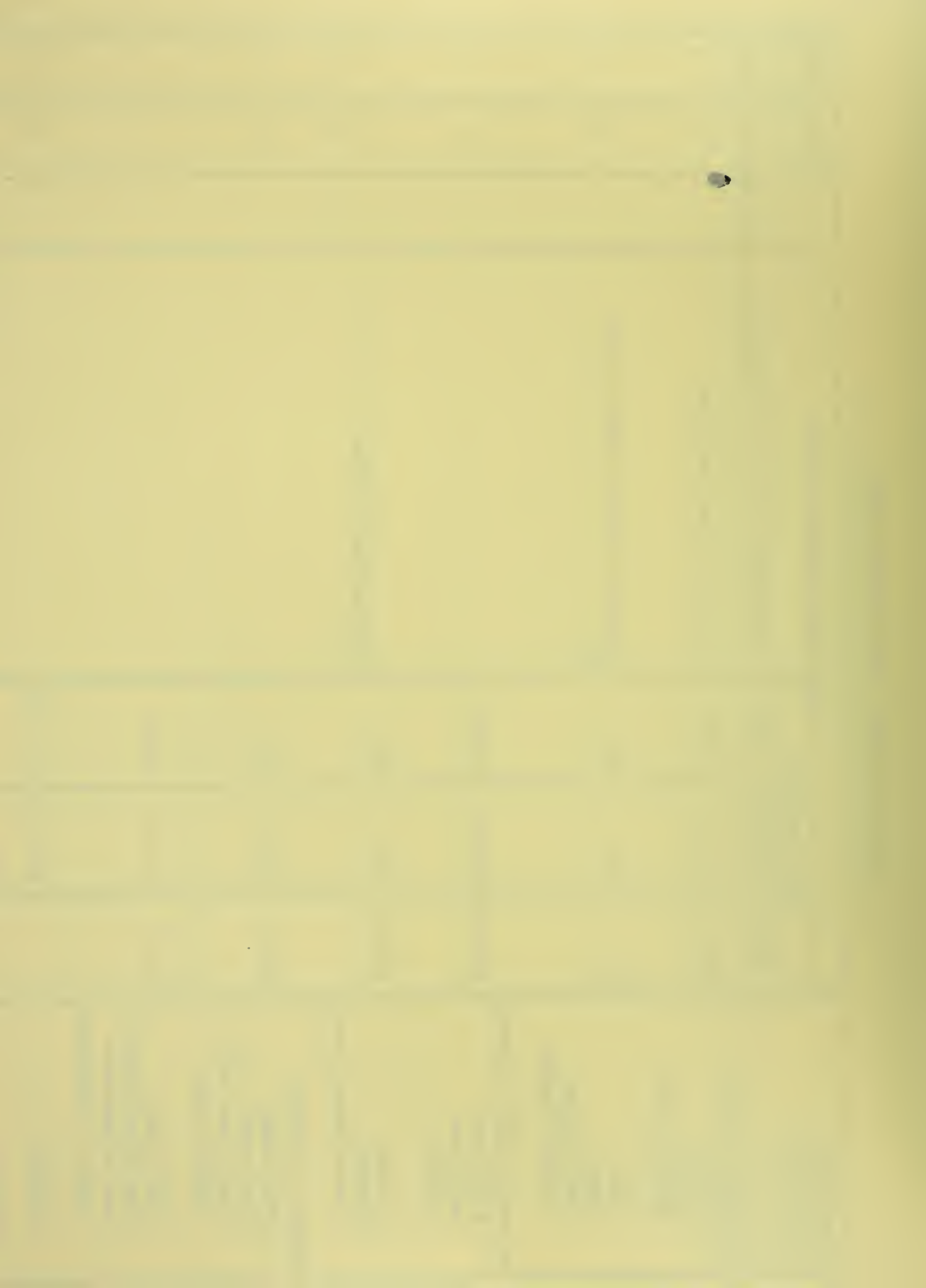
Place Name Airport Name Ownership	Short Range Planning Period			Intermediate	
	Class and Role		Description of Recommended Devel.	Cost	Work
	Short	Interim			
MISSOULA COUNTY -Cont. Evaro Evaro Private	LFL-LX	LFL-LX	LFL-LX		
	AC-P	AC-P	AC-P		
			Extend runway; strengthen runway, taxi-way, apron Approach nav-aids	2 10 0 8 2 & 00 11	
Missoula Johnson-Bell Field Missoula County					
Missoula Missoula Community Hospital Heliport	H-LX	H-LX	H-LX	10,000	2
Seeley Lake Seeley Lake Missoula County	LFG-L	LFG-L	LFG-L		
MUSSELSHELL COUNTY Melstone					
		B-L	B-L	5	6
	LFS-L	LFS-L	LFS-L		
Roundup Roundup City of Roundup - Musselshell County			NDB install FY 69		
PARK COUNTY Chico Hot Springs		LFG-LX	LFG-LX	5	5

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work
	Short	Interim	Long			
PARK COUNTY - Cont. Gardiner Gardiner Park County	LFL-L	LFL-L	LFL-L			2
	B-L	B-L	G-T	L5		1
	LFL-L	LFL-L	LFG-L			4
PETROLEUM COUNTY Winnett	LFG-L	B-L	B-L	Acquire and fence land; grade landing area	25,000	5
						4
						5
PHILLIPS COUNTY Saco Hot Springs			LFG-L			
	LFS-L	B-L	B-L			2
						5
Morgan Morgan Phillips County	LFL-LX	LFL-LX	LFL-LX			

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate		
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
PONDERA COUNTY	LFS-L	LFS-L	LFS-L	Construct taxiway and apron		2	4
Conrad							
Conrad							
Pondera County							
Valier	B-L	B-L	B-L	Construct runway, taxiway, apron		2	6
Valier				L5		3	4
City of Valier - Pondera County							
POWDER RIVER COUNTY	LFL-LX	LFG-L	LFG-L			5	6
Bell Creek							
Bell Creek							
Private							
Broadus	LFG-L	B-L	B-L				
Broadus						0	1
Powder River County				NDB installed FY 1969		2	5
POWELL COUNTY							
Deer Lodge	LFS-L	LFS-L	B-L			2	5
Deer Lodge							
City of Deer Lodge - Powell County							
Deer Lodge	H-LX	H-LX	H-LX				
State Prison Heliport							
State of Montana - Dept. of Institutions							
Elliston		LFG-LX	LFG-LX			5	5
Ovando		LFG-L	LFG-L			5	5



DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period					Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long				
PRAIRIE COUNTY Terry Terry Prairie County	LFL-L	LFG-L	LFG-L			1	3
RAVALLI COUNTY Hamilton Hamilton City of Hamilton - Ravalli County	LFS-L	G-L	G-L	Install NDB	5,000	2	6
Hamilton Marcus Daly Mem- orial Hospital Heli- port	H-LX	H-LX	H-LX	Construct new heliport	5,000	5	2
Stevensville Stevensville Ravalli County	LFL-L	LFL-L	LFL-L				
RICHLAND COUNTY Fairview Fairview Richland County	LFG-L	LFG-L	LFG-L	Construct runway, taxiway, apron	30,000	5	4
Sidney Sidney-Richland Municipal Richland County	AC-F	AC-F	AC-F	Construct air carrier runway; widen twy; extend apron; strengthen existing runway; taxiway, apron		2 & 5 0	9 7

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work Cost
	Short	Interim	Long			
ROOSEVELT COUNTY Culbertson Culbertson Roosevelt County	LFL-L	LFL-L	B-L			2 5
Poplar Poplar Roosevelt County	LFS-L	LFS-L	LFS-L	Relocate lights		2 2 2 5
Wolf Point Wolf Point Roosevelt County	AC-F	AC-F	AC-F			2 4 00 4 0 7
ROSEBUD COUNTY Ashland Ashland Private	LFS-L	LFS-L	B-L			
Colstrip Colstrip Private	LFL-LX	LFL-LX	B-LX	Construct new airport		
Forsyth Forsyth Municipal Rosebud County	LFS-L	B-L	B-L			2 5
Lame Deer			LFG-L			
SANDERS COUNTY Heron			LFG-LX			

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	
	Short	Interim	Long			
SANDERS COUNTY -Cont. Hot Springs Hot Springs Sanders County	LFL-L	LFL-L	B-L			
Plains Plains Sanders County	LFL-L	LFL-L	B-L			
Thompson Falls Thompson Falls Sanders County	LFL-L	LFL-L	B-L			2
SHERIDAN COUNTY Medicine Lake Medicine Lake City of Medicine Lake Sheridan County	LFL-L	LFL-L	B-L			0
Plentywood Sher -Wood City of Plentywood - Sheridan County	LFS-L	LFS-L	LFS-L			2
SILVER BOW COUNTY Butte Silver Bow County Silver Bow County	AC-P	AC-P	AC-P	Extend rwy; strengthen rwy, twy, apron Approach nav-aids Install NDB	5,000	9 8
Tri-City		AC-P	AC-P			5
						11

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role		Description of Recommended Devel.	Cost	Work	Cost
	Short	Interim	Long			
STILLWATER COUNTY						
Absarokee		LFG-L	LFG-L		5	5
Columbus	LFL-L	B-L	B-L		2	5
Columbus City of Columbus						
Rapelje			B-L			
SWEET GRASS COUNTY						
Big Timber	B-L	B-L	B-L			
Big Timber						
City of Big Timber - Sweet Grass County						
TETON COUNTY						
Choteau	B-L	B-L	B-L		0	2
Choteau						
City of Choteau - Teton County						
Dutton	LFL-L	B-L	B-L		5	6
Dutton						
Town of Dutton - Teton County						
Fairfield	LFS-L	B-L	B-L		2	6
Fairfield						
City of Fairfield - Teton County						

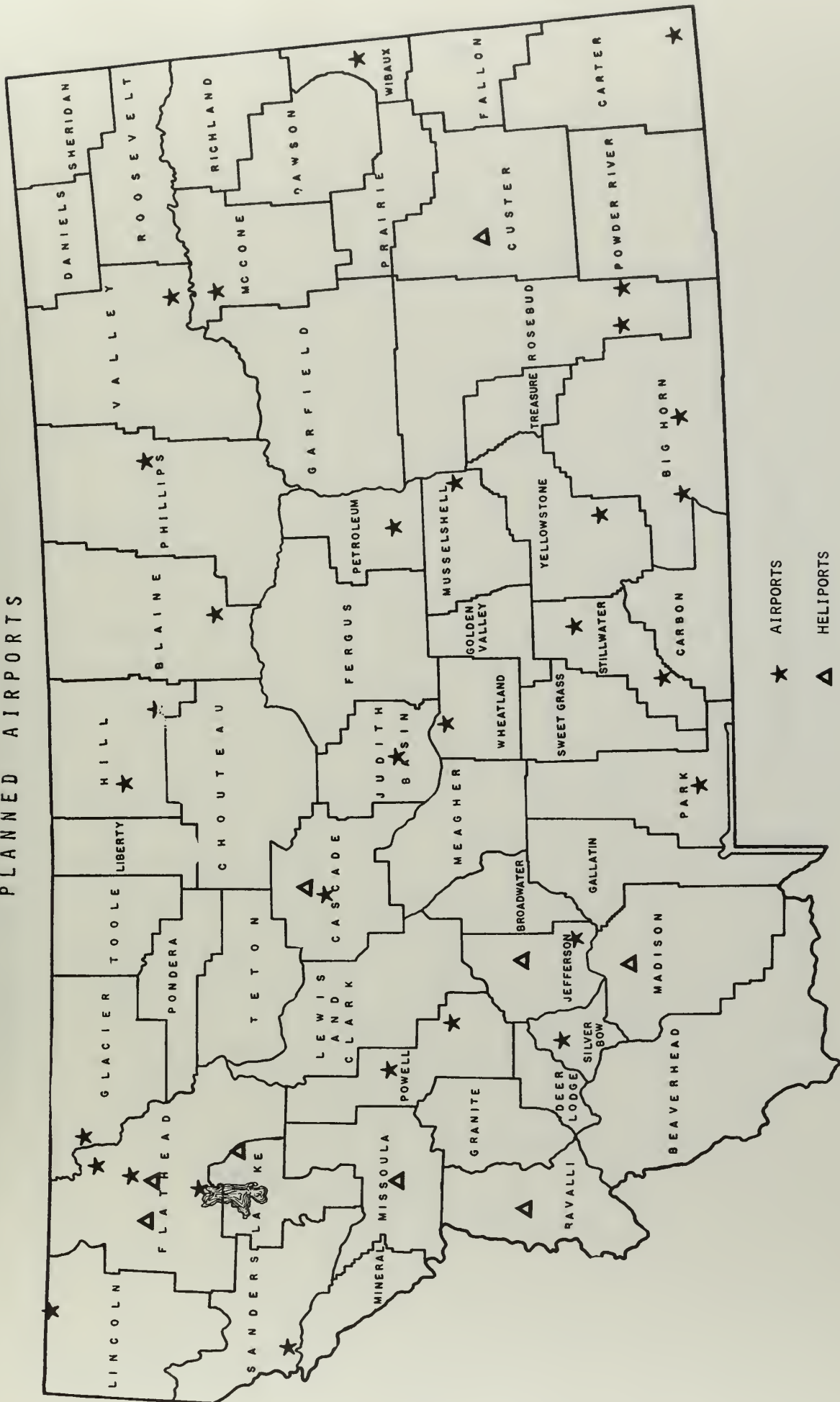
DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	
	Short	Interim	Long			
TOOLE COUNTY Shelby Shelby Toole County	B-L	B-L	B-T			
Sunburst Sunburst Toole County	LFL-L	LFL-L	LFL-L			
Sweetgrass Ross International State of Montana	LFL-LX	LFL-LX	LFL-LX			
TREASURE COUNTY Hysham Hysham Treasure County	LFG-L	LFG-L	LFG-L			
VALLEY COUNTY Fort Peck Fort Peck U. S. Government	LFS-LX	LFS-LX	LFS-LX			
Glasgow Glasgow International City of Glasgow - Valley County	AC-F	AC-F	AC-F	Extend runway; strengthen taxiway	2 0	6 6
Hinsdale Hinsdale Valley County	LFL-L	LFL-L	LFL-L			

DEVELOPMENT RECOMMENDATIONS

Place Name Airport Name Ownership	Short Range Planning Period				Intermediate	
	Class and Role			Description of Recommended Devel.	Cost	Work
	Short	Interim	Long			
VALLEY COUNTY -Cont. Nashua		LFG-L	LFG-L			5
Opheim	LFS-L	LFS-L	B-L			6
Opheim						
City of Opheim - Valley County						
WHEATLAND COUNTY						
Harlowton	LFS-L	B-L	B-L			2
Harlowton Municipal City of Harlowton						1
Judith Gap			LFG-L			6
WIBAUX COUNTY						
Wibaux		LFG-L	LFG-L			5
YELLOWSTONE COUNTY						
Billings	AC-P	AC-P	AC-P	Extend rwy & apron; strengthen runway, twy, apron; auto parking; twy lights		2
Logan Field				Approach nav-aids		0
City of Billings						00
Huntley			B-R			
Laurel	B-L	B-R	B-R			2
Laurel						
City of Laurel						5

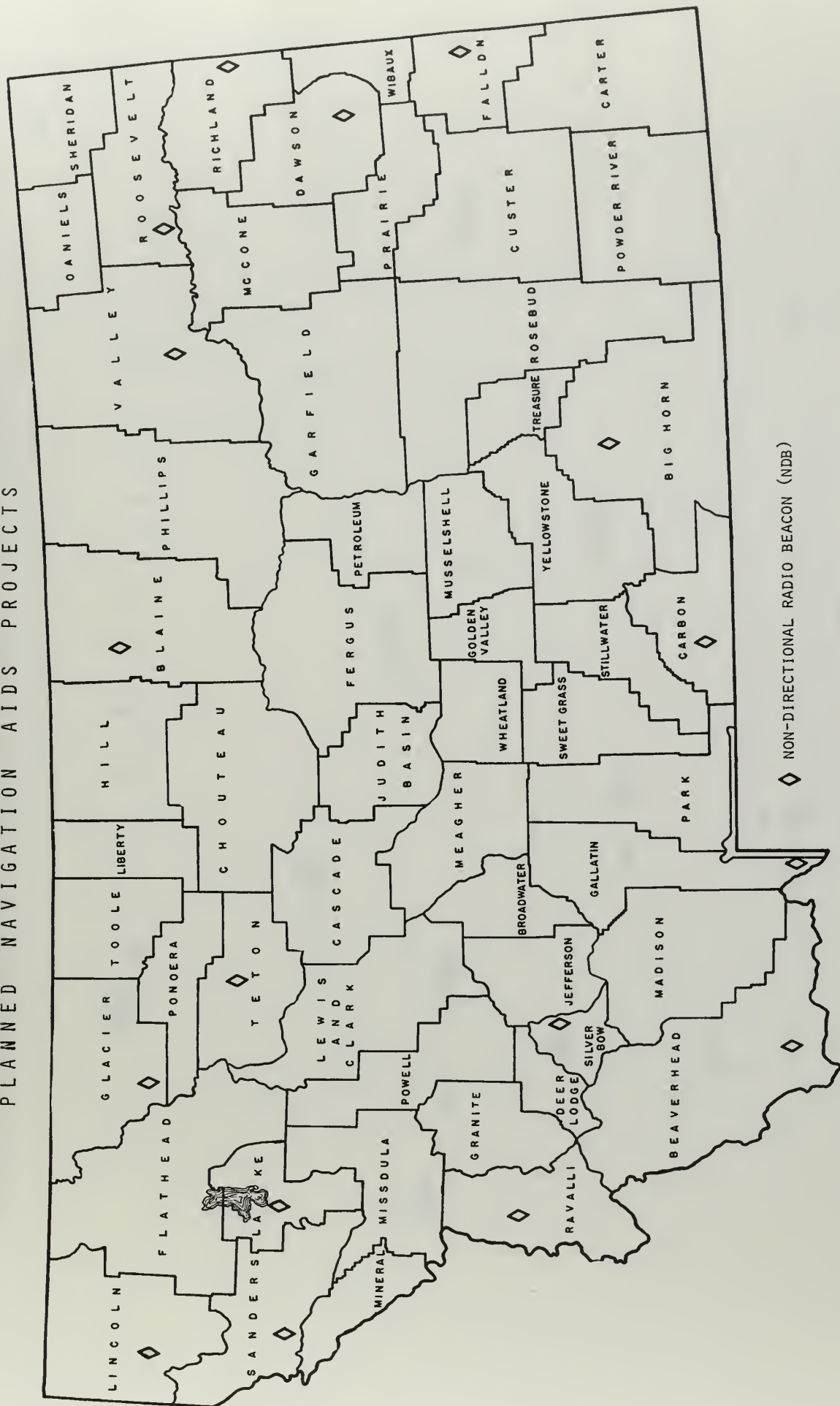
PLANNED AIRPORTS



★ AIRPORTS

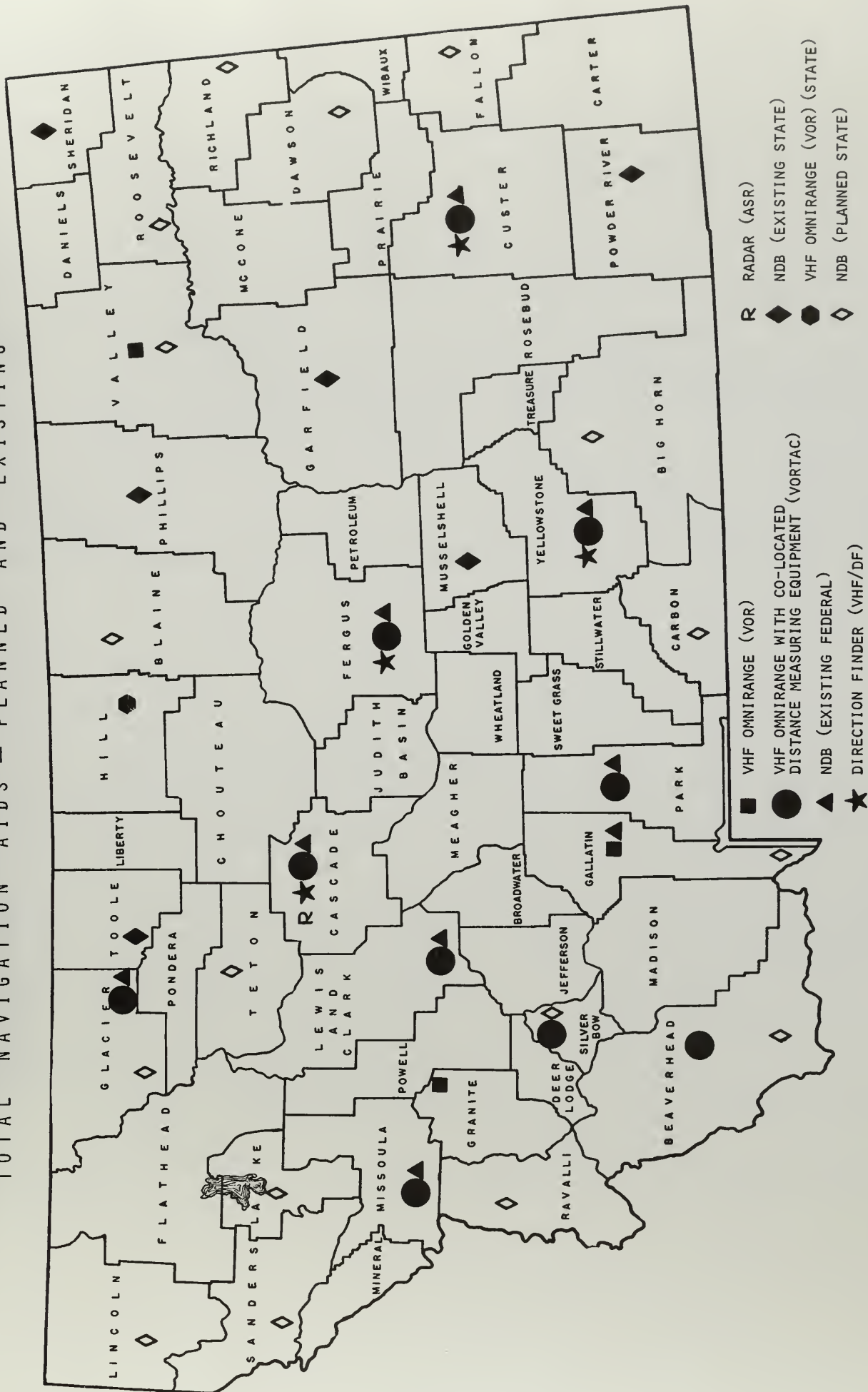
△ HELIPORTS

PLANNED NAVIGATION AIDS PROJECTS



◇ NON-DIRECTIONAL RADIO BEACON (NDB)

TOTAL NAVIGATION AIDS — PLANNED AND EXISTING



IMPLEMENTATION

For a System of Public Owned, Public Use Airports

Federal Aid to Airports Program

For Class B G LG AC Airports	(1) <u>Federal 53%</u> Funds available on Grant Offer for eligible items of construction of approved design for class of airport justified.	(2) <u>Sponsors 47%</u> Within the scope of existing statutes may be available	
		by revenues, by mill levy, revenue bonds, or general obligation bonds.	all or part by loan from Montana Aeronautics Commission.

General Aviation Utility Airports

	(1) Community Airports	(2) Other Necessary Airports
For Class H LPL LFG LFS Airports	Design, financing and construction by Montana Aeronautics Commission following application and repayment resolution received from sponsoring local government identity. (City, town or county). Repayment to equal 2-1/2 mills at High School District value, or \$10,000 maximum.	Design, financing and construction by Montana Aeronautics Commission for Special Purposes: Emergency Recreational Border Crossing Industrial Public Service with or without local government participation.

State and State-Federal Projects

For All Classes Of Airports	(1) State-Federal		(2) State
	For B, G, LG, and AC airports under F.A.A.P. with the state as sponsor, or by agreement with other Federal agencies (USDA-FS), (USDI-PS) etc., as sponsor (See A. (1) Schedule).	For LFL, LFG, LFS, BI and BII airports by joint agreement with Federal agencies other than FAA under Federal Aid to Airport Program.	For LFL, LFG, LFS and BI airports; design, financing and construction by State Aeronautics Commission. (See B. (2) Schedule).

State Sponsor - Federal Finance Airports

For LG and AC Airports	Federal Share	State Share
	Other Federal agencies funds, land, or value in kind used as sponsors share in construction under Federal Aid to Airport Program.	Maintenance, operations and construction of non-eligible items as per Federal Aid to Airport Program.

AIRPORT IMPROVEMENT LOAN PROGRAM

The Montana Aeronautics Commission is able to loan money to a local airport board for the development of any airport project. Under present State law, a county may be obligated for an indebtedness not to exceed \$10,000 for a single project without electorate approval. Cities are restricted only by their legal indebtedness limitation law, therefore the Aeronautics Commission may loan a city any amount based on: The community's ability to repay and a statement from their attorney that the amount of the loan does not exceed their bonded indebtedness; the priority of the airport improvement project; and the monies available from the Aeronautics Commission.

Airport improvement loans are repayable annually at a 3-1/2% interest rate. The length of the loan is for ten (10) years or less. The 3-1/2% interest rate was imposed by the Aeronautics Commission on April 11, 1967. Up until that time all airport improvement loans were interest free.

Counties and cities are both allowed by State statute to levy up to two (2) mills for airport purposes without electorate approval. The communities or counties involved may use State funds along with available local funds for any particular airport project. The majority of local/state projects are usually the smaller type development; however, State loans are used mostly for projects that are eligible under the Federal Aid Airport Program. The loan can be used as a sponsor's 47% matching funds and the Federal Aviation Administration will grant approximately 53% of the project costs on any eligible and approved project.

In the past the Commission's Airport Improvement Loan has been used by itself on a wide variety of projects including; purchasing snow plows; building hangars, administration buildings, new runways; repairing existing runways, and the accomplishment of other specific airport improvements.

GENERAL AVIATION UTILITY AIRPORTS

Under this program a minimum, but adequately safe, airport facility is developed primarily for the use of general aviation in a location that does not presently have an airport. Construction costs are held to approximately \$25,000. The airport consists of one stabilized turf runway with parking apron, a segmented circle, windcone, runway markers, and the property line fenced. The Aeronautics Commission has a consulting engineering firm retained through the Department of Administration and the Board of Examiners and also contracts for construction. The sponsor, who is either a city or county, or both, agrees to repay the State of Montana the equivalent of 2-1/2 mills based on the local high school district value and not to exceed \$10,000 over a ten year period for their share of the project cost. The balance of the cost above the quarter mill per year becomes a grant on the part of the State to the county or municipality involved at the end of the 10-year repayment period.

PRELIMINARY ENGINEERING GRANTS

The Montana Aeronautics Commission encourages the continued development of a state-wide system of airports. The role of each airport facility must be evaluated and measured not only by its own merits, but in relation to others. To the extent possible, each must be planned to support and supplement the usefulness of the other so that, ideally, if all of the airports included in the Montana Airport Plan were developed at the same time and in the manner prescribed, the system of public airports for Montana would be adequate in all respects. In order that planning and preliminary engineering will take place at local level, the Aeronautics Commission has provided Engineering Grants for that purpose.

The Commission will grant to a community or county, or airport board, one-half of the cost up to a maximum of \$1,000, whichever is the lesser of a preliminary engineering study and cost estimate for their airport. This is a grant that does not have to be repaid. The local airport board must match the grant for payment to the engineer.

HOSPITAL HELIPORT PROGRAM

Hospital administrators desirous of establishing emergency ambulance heliports in connection with their facility, may apply immediately to the Aeronautics Commission stating their needs and desires in this respect. The Commission's Airport Division will then make the appropriate feasibility studies at the specific hospital locations and proceed with design, construction, and marking of the heliport.

The State share of this program obviously has to be limited to the hospital heliport itself and any building modification for the purpose of roof access to a roof top heliport would have to be borne by the hospital administration.

